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This document contains technical data
whose export is restricted by the
Arms Export Control Act
(Title 22, U.S.C., Section 2751, et. seq.)
or the Export Administration Act of 1979
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amended.

Violation of these export laws are subject
to sever criminal penalties.
Disseminate in accordance with provision of
DoD Directive 5230.25.

SOLICITATION, OFFER AND AWARD		1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 350)		RATING DO-S10	PAGE OF 1 33 PAGES	
2. CONTRACT NO.		3. SOLICITATION NO. N00173-20-R-RS01		4. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)		5. DATE ISSUED 09 NOV 2001
7. ISSUED BY Procuring Contracting Officer, Code 3235:RS Naval Research Laboratory - SSC Department of the Navy Stennis Space Center, MS 39529-5004		CODE N00173		8. ADDRESS OFFER TO (If other than Item 7)		

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

SOLICITATION

9. Sealed offers in original and 15 copies for furnishing the supplies or services in the Schedule will be received at the place specified in Item 8, or if handcarried, in the depository located in BLDG. 1007, RM 45, SSC, MS 39529-5004 until 3:30 local time 11 DEC 01
(Hour) (Date)

CAUTION - LATE Submissions, Modifications, and Withdrawals: See Section L, Provision No. 52.214-7 or 52.215-10. All offers are subject to all terms and conditions contained in this solicitation.

10. FOR INFORMATION CALL:	A. NAME RICHARD D. SEWELL	B. TELEPHONE NO. (Include area code) (NO COLLECT CALLS) 228-688-4571
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11. TABLE OF CONTENTS

(✓)	SEC.	DESCRIPTION	PAGE(S)	(✓)	SEC.	DESCRIPTION	PAGE(S)
PART I - THE SCHEDULE				PART II - CONTRACT CLAUSES			
X	A	SOLICITATION/CONTRACT FORM	1	X	I	CONTRACT CLAUSES	16-20
X	B	SUPPLIES OR SERVICES AND PRICES/COSTS	2-5	PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACH.			
	C	DESCRIPTION/SPECS./WORK STATEMENT	6	X	J	LIST OF ATTACHMENTS	21
X	D	PACKAGING AND MARKING	6	PART IV - REPRESENTATIONS AND INSTRUCTIONS			
X	E	INSPECTION AND ACCEPTANCE	7	X	K	REPRESENTATIONS, CERTIFICATIONS AND OTHER STATEMENTS OF OFFERORS	22
X	F	DELIVERIES OR PERFORMANCE	8	X	L	INSTRS., CONDS., AND NOTICES TO OFFERORS	23-31
X	G	CONTRACT ADMINISTRATION DATA	9-13	X	M	EVALUATION FACTORS FOR AWARD	32-33
X	H	SPECIAL CONTRACT REQUIREMENTS	14-15				

OFFER (Must be fully completed by offeror)

NOTE: Item 12 does not apply if the solicitation includes the provisions at 52.214-16, Minimum Bid Acceptance Period.

12. In compliance with the above, the undersigned agrees, if this offer is accepted within _____ calendar days (60 calendar days unless a different period is inserted by the offeror) from the date for receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s), within the time specified in the schedule.

13. DISCOUNT FOR PROMPT PAYMENT (See Section I, Clause No. 52-232-8)		10 CALENDAR DAYS %	20 CALENDAR DAYS %	30 CALENDAR DAYS %	CALENDAR DAYS %
14. ACKNOWLEDGMENT OF AMENDMENTS (The offeror acknowledges receipt of amendments to the SOLICITATION for offerors and related documents numbered and dated: _____)		AMENDMENT NO.	DATE	AMENDMENT NO.	DATE
15A. NAME AND ADDRESS OF OFFEROR		CODE	FACILITY	16. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)	
15B. TELEPHONE NO. (Include area code)		15C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE - ENTER SUCH ADDRESS IN SCHEDULE. <input type="checkbox"/>		17. SIGNATURE	18. OFFER DATE

AWARD (To be completed by Government)

19. ACCEPTED AS TO ITEMS NUMBERED		20. AMOUNT	21. ACCOUNTING AND APPROPRIATION	
22. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: <input type="checkbox"/> 10 U.S.C. 2304(c) () <input type="checkbox"/> 41 U.S.C. 253(c) ()		23. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)		ITEM
24. ADMINISTERED BY (If other than Item 7)		CODE	25. PAYMENT WILL BE MADE BY	
26. NAME OF CONTRACTING OFFICER (Type or print)		27. UNITED STATES OF AMERICA (Signature of Contracting Officer)		28. AWARD DATE

IMPORTANT - Award will be made on this Form, or on Standard Form 26, or by other authorized official written notice.

**PART I - THE SCHEDULE
SECTION B**

SERVICES AND PRICES/COSTS

B-1 SUPPLIES/SERVICES AND COSTS

Item Number	Supplies/Services	Estimated Cost	Base Fee	Max. Awd. Fee	Estimated CPAF
Base Period:					
0001	Completion and Delivery of Build 1 Release (18 Months)	\$	\$	\$	\$
0002	Reports, Data, Software and Documentation, in accordance with (IAW) Exhibit A (DD 1423) and SOW (Attachment 1)	*NSP	*NSP	*NSP	*NSP
0003	The Contractor shall provide the personnel and facilities for performance of the work described in SOW (Attachment 1), Option Task 1 – Special Studies	\$	\$	\$	\$
0004	The Contractor shall provide the personnel and facilities for performance of the work described in SOW (Attachment 1), Option Task 2, Verification and Validation (V&V)	\$	\$	\$	\$
0005	The Contractor shall provide the personnel and facilities for performance of the work described in SOW (Attachment 1), Option Task 3, Support for Independent Verification and Validation (IV&V)	\$	\$	\$	\$
EST. CPAF (BASE PERIOD)		\$	\$	\$	\$
Option Period I (Year Two):					
0006	Completion and Delivery of Build 2 Release (12 Months)	\$	\$	\$	\$

0007	Reports, Data, Software and Documentation, in accordance with (IAW) Exhibit A (DD 1423) and SOW (Attachment 1)	*NSP	*NSP	*NSP	*NSP
0008	The Contractor shall provide the personnel and facilities for performance of the work described in SOW (Attachment 1), Option Task 1 – Special Studies	\$	\$	\$	\$
0009	The Contractor shall provide the personnel and facilities for performance of the work described in SOW (Attachment 1), Option Task 2, Verification and Validation (V&V)	\$	\$	\$	\$
0010	The Contractor shall provide the personnel and facilities for performance of the work described in SOW (Attachment 1), Option Task 3, Support for Independent Verification and Validation (IV&V)	\$	\$	\$	\$
EST. CPAF (OPT. PERIOD I)		\$	\$	\$	\$
Option Period II (Year Three):					
0011	Completion and Delivery of Build 3 Release (12 Months)	\$	\$	\$	\$
0012	Reports, Data, Software and Documentation, in accordance with (IAW) Exhibit A (DD 1423) and SOW (Attachment 1)	*NSP	*NSP	*NSP	*NSP
0013	The Contractor shall provide the personnel and facilities for performance of the work described in SOW (Attachment 1), Option Task 1 – Special Studies	\$	\$	\$	\$
0014	The Contractor shall provide the personnel and facilities for performance of the work described in SOW (Attachment 1), Option Task 2, Verification and Validation (V&V)	\$	\$	\$	\$

0015	The Contractor shall provide the personnel and facilities for performance of the work described in SOW (Attachment 1), Option Task 3, Support for Independent Verification and Validation (IV&V)	\$	\$	\$	\$
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EST. CPAF (OPT. PERIOD II)	\$	\$	\$	\$
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Option Period III (Year Four):

0016	Completion and Delivery of Build 4 Release (12 Months)	\$	\$	\$	\$
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0017	Reports, Data, Software and Documentation, in accordance with (IAW) Exhibit A (DD 1423) and SOW (Attachment 1)	*NSP	*NSP	*NSP	*NSP
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0018	The Contractor shall provide the personnel and facilities for performance of the work described in SOW (Attachment 1), Option Task 1 – Special Studies	\$	\$	\$	\$
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0019	The Contractor shall provide the personnel and facilities for performance of the work described in SOW (Attachment 1), Option Task 2, Verification and Validation (V&V)	\$	\$	\$	\$
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0020	The Contractor shall provide the personnel and facilities for performance of the work described in SOW (Attachment 1), Option Task 3, Support for Independent Verification and Validation (IV&V)	\$	\$	\$	\$
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EST. CPAF (OPT. PERIOD III)	\$	\$	\$	\$
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Option Period IV (Year Five):

0021	Completion and Delivery of Build Wrap Up (6 Months)	\$	\$	\$	\$
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0022	Reports, Data, Software and	*NSP	*NSP	*NSP	*NSP
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Documentation, in accordance
with (IAW) Exhibit A (DD
1423) and SOW (Attachment 1)

0023	The Contractor shall provide the personnel and facilities for performance of the work described in SOW (Attachment 1), Option Task 1 – Special Studies	\$	\$	\$	\$
0024	The Contractor shall provide the personnel and facilities for performance of the work described in SOW (Attachment 1), Option Task 2, Verification and Validation (V&V)	\$	\$	\$	\$
0025	The Contractor shall provide the personnel and facilities for performance of the work described in SOW (Attachment 1), Option Task 3, Support for Independent Verification and Validation (IV&V)	\$	\$	\$	\$
EST. CPAF (OPT. PERIOD IV)		\$	\$	\$	\$
TOTAL ESTIMATED CPAF ALL PERIODS		\$	\$	\$	\$

(* - Not Separately Priced)

SECTION C
DESCRIPTION/SPECIFICATIONS/STATEMENT OF WORK

C-1 STATEMENT OF WORK

The work and services to be performed hereunder shall be subject to: (a) the requirements and standards contained in Attachment (1), Statement of Work, with Exhibit A, Contract Data Requirements List, and all other Attachments cited in Section J, which are incorporated by reference into Section C; and the Contractor's technical proposal, which may be incorporated by reference in any resulting contract.

C-2 REQUIREMENTS FOR ON-SITE CONTRACTORS

For those portions of the work under this contract performed at any NRL site, the contractor shall comply with the Requirements for On-Site Contractors dated 19 October 2001 which are hereby incorporated by reference. The full text is available at <http://heron.nrl.navy.mil/contracts/home.htm>.

C-3 SUBCONTRACTING PLAN

Subcontracting Plan dated is hereby incorporated by reference and made a material part of this contract.
*(*this provision will be included and completed at time of award, if applicable)*

SECTION D
PACKAGING AND MARKING

PACKAGING AND MARKING

Preservation, packaging, packing and marking of all deliverable contract line items must conform to normal commercial packing standards to assure safe delivery at destination.

SECTION E
INSPECTION AND ACCEPTANCE

E-1 INSPECTION AND ACCEPTANCE CLAUSES INCORPORATED BY REFERENCE

FAR CLAUSE TITLE

52.246-8 - Inspection Of Research And Development - Cost Reimbursement (MAR 2001)
52.246-9 - Inspection Of Research And Development (Short Form) (APR 1984)

DFARS CLAUSE TITLE

252.246-7000 - Material Inspection And Receiving Report (DEC 1991)

E-2 INSPECTION AND ACCEPTANCE

Inspection and acceptance of the final delivery will be accomplished by the Technical Manager (TM) or Contracting Officer Representative (COR) designated in Section G of this contract. Inspection and acceptance will be performed at the Naval Research Laboratory, Washington DC 20375-5320.
Constructive acceptance, in accordance with FAR 32.905 (a) (1), shall be deemed to have occurred on the day after the final delivery.

SECTION F
DELIVERIES OR PERFORMANCE

F-1 DELIVERIES OR PERFORMANCE CLAUSES INCORPORATED BY REFERENCE:

<u>FAR CLAUSE</u>	<u>TITLE</u>
52.242-15	- Stop-Work Order (AUG 1989) - Alternate I (APR 1984)
52.247-34	- F.O.B. Destination (NOV 1991)

F-2 PERIOD AND PLACE OF PERFORMANCE

- (a) Performance under this contract shall be from the date of award through the base period of eighteen (18) months. Options 1 – 3, if exercised, shall extend the performance period by an additional twelve (12) months each. Option 4, if exercised, shall extend the performance period by an additional six (6) months.
- (b) The principal place of performance of this contract shall be (*)
- (* - To be provided at time of award)

F-3 PLACE OF DELIVERY - FOB DESTINATION

The contractor shall deliver supplies, all transportation charges paid, to destination in accordance with the clause in Section F of the Schedule titled FAR 52.247-34 FOB Destination (NOV 1991).

Receiving Officer

Naval Research Laboratory

Contract Number

ATTN: *

CODE: *

LOCATION: *

Bldg. 49

4555 Overlook Avenue, SW

Washington DC 20375-5320

(* To be provided at time of award.)

SECTION G
CONTRACT ADMINISTRATION DATA

G-1 PROCURING OFFICE REPRESENTATIVE

In order to expedite administration of the contract, the Administrative Contracting Officer (ACO) will direct inquiries to the appropriate office listed below. Please do not direct routine inquiries to the person listed in Item 20A on Standard Form 26.

Contract Matters- *

Security Matters- *

Safety Matters- *

Patent Matters- *

Release of Data- *

The ACO will forward invention disclosures and reports directly to the Associate Counsel for Patents, Code 1008.2, Naval Research Laboratory, Washington DC 20375-5320. The Associate Counsel for Patents will return the reports along with a recommendation to the Administrative Contracting Officer. The Associate Counsel for Patents will represent the Contracting Officer with regard to invention reporting matters arising under this contract.

*(* To be completed at time of award)*

G-2 CONTRACTING OFFICER'S REPRESENTATIVE (COR) - FUNCTIONS AND LIMITATIONS

* is hereby designated the cognizant COR who will represent the Contracting Officer in the administration of technical details within the scope of this contract and inspection and acceptance. The COR is not otherwise authorized to make any representations or commitments of any kind on behalf of the Contracting Officer or the Government. The COR does not have the authority to alter the Contractor's obligations or change the specifications in the contract. If, as a result of technical discussions, it is desirable to alter contract obligations or statements of work, a modification must be issued in writing and signed by the Contracting Officer. The COR is responsible for reviewing the bills and charges submitted by the Contractor and informing the ACO of areas where exceptions are to be taken.

*(* To be completed at time of award)*

G-3 TECHNICAL DIRECTION MEMORANDUM (TDM)

- (a) For the purposes of this clause, technical direction includes the following:
 - (1) Direction to the Contractor which shifts work emphasis between work areas or tasks, requires pursuit of certain lines of inquiry, fills in details or otherwise describes work which will accomplish the objectives described in the statement of work;
 - (2) Guidelines to the Contractor which assist in interpretation of drawings, specifications or technical portions of work description.
- (b) Technical instructions must be within the scope of work stated in the contract. Technical instructions may not be used to:
 - (1) Assign additional work under the contract:

- (2) Direct a change as defined in the contract clause entitled "Changes";
 - (3) Increase or decrease the estimated contract cost, the fixed fee, or the time required for contract performance; or
 - (4) Change any of the terms, conditions or specifications of the contract
- (c) The TDM shall be written by the Contracting Officer's Representative (COR), with the original given to the Contractor and a copy retained in the CORs file. Technical direction may be issued orally only in emergency situations. If technical direction is issued orally, a TDM must follow within two (2) working days from the date of the oral direction. Amendments, corrections, or changes to TDMs shall also be in written format and shall include all the information set forth in paragraph (e) below.
- (d) A TDM shall be considered issued when the Government deposits it in the mail, or if transmitted by other means, when it is physically delivered to the contractor.
- (e) TDMs shall include, but not be limited to, the following information:
- (1) Date of TDM,
 - (2) Contract Number,
 - (3) Reference to the relevant portion or item in the Statement of Work,
 - (4) The specific technical direction or clarification, and
 - (5) The signature of the COR.
- (f) CORs shall retain all files containing TDMs for a period of two (2) years after the final contract completion date.
- (g) The only individual authorized in any way to amend or modify any of the terms of this contract shall be the Contracting Officer. When, in the opinion of the Contractor, any technical direction calls for effort outside the scope of the contract or inconsistent with this special provision, the Contractor shall notify the Contracting Officer in writing within ten (10) working days after its receipt.

G-4 CONTRACTOR-ACQUIRED PROPERTY

- (a) The contractor is authorized to acquire the following items of facilities which are needed to accomplish this contract.

Items to be Acquired

Estimated Cost

*

*(*this provision will be included and completed at time of award, if applicable)*

- (b) This authorization does not constitute any consent required pursuant to the contract clause entitled "Subcontracts" (FAR 52.244-2). Advance notification or requests for consent pursuant to that clause shall be directed to the administrative contracting officer (ACO).
- (c) Pursuant to the contract clause entitled "Government Property (Cost-Reimbursement, Time-and-Material, or Labor-Hour Contracts)" (FAR 52.245-5), title to the property shall vest in the Government.
- (d) Prior to acquisition of any item of Industrial Plant Equipment, the Contractor must comply with the requirements of Department of Defense Federal Acquisition Regulation Supplement (DFARS 245.302-1(b)(1)(A). (See DFARS 245.301 for definition of "Industrial Plant Equipment.")

G-5 SUBCONTRACTORS/CONSULTANTS

- (a) Advance notification or requests for consent pursuant to the contract clause entitled "Subcontracts" (FAR 52.244-2) shall be directed to the cognizant administrative contracting officer (ACO).
- (b) The following subcontractors/consultants have been identified in the Contractor's proposal as necessary for performance of this contract:

Subcontractor/Consultant Name

Estimated Cost

(Paragraph (b) will be included and filled in at time of award if subcontractor/consultants are proposed by the successful offeror)

G-6 NAPS 5252.232-9001 - SUBMISSION OF INVOICES (COST-REIMBURSEMENT, TIME-AND-MATERIALS, LABOR-HOUR, OR FIXED PRICE INCENTIVE (JUL 1992))

- (a) "Invoice" as used in this clause includes contractor requests for interim payments using public vouchers (SF 1034) but does not include contractor requests for progress payments under fixed price incentive contracts.
- (b) The Contractor shall submit invoices and any necessary supporting documentation, in an original and 4 copies, to the contract auditor at the following address:

(To be completed at time of award)

unless delivery orders are applicable, in which case invoices will be segregated by individual order and submitted to the address specified in the order. In addition, an information copy shall be submitted to [See Section G for designated COR]. Following verification, the contract auditor will forward the invoice to the designated payment office for payment in the amount determined to be owing, in accordance with the applicable payment (and fee) clause(s) of this contract.

(c) Invoices requesting interim payments shall be submitted no more than once every two weeks, unless another time period is specified in the Payments clause of this contract. For indefinite delivery type contracts, interim payment invoices shall be submitted no more than once every two weeks for each delivery orders. There shall be a lapse of no more than 30 calendar days between performance and submission of an interim payment invoice.

(d) In addition to the information identified in the Prompt Payment clause herein, each invoice shall contain the following information, as applicable:

- (1) Contract line item number (CLIN)
- (2) Subline item number (SLIN)
- (3) Accounting Classification Reference Number (ACRN)
- (4) Payment terms
- (5) Procuring activity
- (6) Date supplies provided or services performed
- (7) Costs incurred and allowable under the contract
- (8) Vessel (e.g., ship, submarine or other craft) or system for which supply/service is provided

(e) A DD Form 250, "Material Inspection and Receiving Report",

- ☐ is required with each invoice submittal.
- ☐ is required only with the final invoice.
- ☐ is not required.

(f) A Certificate of Performance

- ☐ shall be provided with each invoice submittal.

☐ is not required.

(g) The Contractor's final invoice shall be identified as such, and shall list all other invoices (if any) previously tendered under this contract.

(h) Cost of performance shall be segregated, accumulated and invoiced to the appropriate ACRN categories to the extent possible. When such segregation of costs by ACRN is not possible for invoices submitted with CLIN/SLINS with more than one ACRN, an allocation ratio shall be established in the same ratio as the obligations cited in the accounting data so that costs are allocated on a proportional basis.

G-7 PAYMENT OF AWARD FEE (COMPLETION FORM)

Subject to withholding provisions contained elsewhere in this contract, Base Fee, if any, shall be paid to the Contractor on a pro-rata basis derived from the ration of the base fee to the estimated cost of the contract, and shall be included in the vouchers submitted by the Contractor. The award fee earned by the Contractor will be determined at the completion of each evaluation period subject to the maximum amount of award fee that can be earned, as outlined under Section B of the contract.

Subject to DFARS 216.405-2(c)(ii)(B), the proposed Base Fee shall not exceed 2.5% of the estimated cost of the Contract exclusive of the fee. The maximum fee payable (i.e., the base fee plus the highest potential award fee) shall not exceed the limitation set forth in FAR 15.404-4(c)(4)(i)(a).

G-8 INCREMENTAL FUNDING

Pursuant to the Limitation of Funds clause (FAR 52.232-22), the total amount allotted to this contract is \$* and it is estimated that this amount is sufficient for contract performance through * .

*(*this provision will be included and completed at time of award, if applicable)*

G-9 INFORMATIONAL SUBLINE ITEMS

It is anticipated that the research and development services performed under this contract will be paid for from multiple sources of funds. Informational subline items will be established as necessary to identify each accounting citation classification.

G-10 PAYMENT INSTRUCTIONS FOR MULTIPLE ACCOUNTING CLASSIFICATION CITATIONS (COST-REIMBURSEMENT)

The purpose of these instructions is to permit the paying office to charge the accounting classification citations in the contract in a manner that reflects the performance of the contract. These instructions do not create any obligation on the part of the Government or the contractor nor do they in any way alter any obligation created by any other provision of the contract. Invoices should be paid from available ACRNs in the following order:

(a) ACRNs cited on the contractor's invoice.

(b) On a proportional basis from any ACRNs assigned to funds which will cancel at the end of the current fiscal year.

(c) The ACRN assigned to the following line of accounting:

97X4930.NH4A 000 77777 0 000173 2F 000000 N00173Z45000.

(d) If funds appropriated in more than one fiscal year are allotted to the contract, the ACRN assigned to the oldest allotment of funds.

(e) On a proportional basis from all ACRNs assigned to allotments of funds appropriated in a single fiscal year.

G-11 CONTRACTOR'S PROGRAM MANAGER

(a) The Contractor's Program Manager is TBD and is the Contractor's authorized supervisor for technical and administrative performance of all work hereunder. The Program Manager shall provide the single point of contact between the Contractor and the Government's Contracting Officer's Representative (COR). All administrative support of technical personnel required to fulfill the work stated in this contract shall be the responsibility of the contractor.

(b) The Contractor's Program Manager shall receive and execute, on behalf of the Contractor, such technical directions as the Government's COR may issue within the terms and conditions of this contract.

SECTION H SPECIAL CONTRACT REQUIREMENTS

H-1 TYPE OF CONTRACT

This is a *

*(*To be completed at time of award)*

H-2 ONR 5252.237-9705 - KEY PERSONNEL (DEC 88)

(a) The Contractor agrees to assign to the contract tasks those persons whose resumes were submitted with its proposal and who are necessary to fulfill the requirements of the contract as "key personnel". No substitutions may be made except in accordance with this clause.

(b) The Contractor understands that during the first ninety (90) days of the contract performance period, no personnel substitutions will be permitted unless these substitutions are unavoidable because of the incumbent's sudden illness, death or termination of employment. In any of these events, the Contractor shall promptly notify the Contracting Officer and provide the information described in paragraph (c) below. After the initial ninety (90) day period the Contractor must submit to the Contracting Officer all proposed substitutions, in writing, at least fifteen (15) days in advance (thirty (30) days if security clearance must be obtained) of any proposed substitution and provide the information required by paragraph (c) below.

(c) Any request for substitution must include a detailed explanation of the circumstances necessitating the proposed substitution, a resume for the proposed substitute, and any other information requested by the Contracting Officer. Any proposed substitute must have qualifications equal to or superior to the qualifications of the incumbent. The Contracting Officer or his/her authorized representative will evaluate such requests and promptly notify the Contractor of his/her approval or disapproval thereof.

(d) In the event that any of the identified key personnel cease to perform under the contract and the substitute is disapproved, the contract may be immediately terminated in accordance with the Termination clause of the contract.

The following are identified as key personnel: *

*(*To be completed at time of award)*

H-3 ONR 5252.235-9714 - REPORT PREPARATION (FEB 97)

Scientific or technical reports prepared by the Contractor and deliverable under the terms of this contract will be prepared in accordance with format requirements contained in ANSI/NISO Z39.18-1995, "Scientific and Technical Reports: Elements, Organization, and Design." [NOTE: ANSI Z39.18 may be obtained from NISO Press Fulfillment Center, P. O. Box 338, Oxon Hill, MD. 20750-0338. Telephone 1-800-282-6476]

H-4 ELECTRONIC AND INFORMATION TECHNOLOGY (EIT)

In accordance with Section 508 of the Rehabilitation Act of 1973 (29 U.S.C. 794d), all EIT supplies and services provided under this contract must comply with the applicable accessibility standards issued by the

Architectural and Transportation Barriers Compliance Board at 36 CFR part 1194 (see FAR Subpart 39.2).
Electronic and information technology (EIT) is defined at FAR 2.101.

H-5 OPTION TO EXTEND THE CONTRACT PERIOD OF PERFORMANCE

This contract shall be renewable at the unilateral option of the Government by the Contracting Officer giving written notice of renewal to the Contractor within the existing Contract period of performance. The Government may exercise its option to renew the contract a total of four (4) times. Options I – III shall extend the contract period of performance by twelve (12) months. Option IV shall extend the contract period of performance by six (6) months. The Contractor agrees that performance under each such renewal shall be accomplished in accordance with all of the terms and conditions of this contract and at the estimated cost and fixed fee set forth in Contract Section B, above.

H-6 OPTION(S)

The Government may require performance of the numbered line items identified in the Schedule as optional items at the price stated in the Schedule. The Contracting Officer may unilaterally exercise the option by written notice to the Contractor anytime prior to the current completion date of the contract. . The Government may elect to exercise its option by issuing a new contract for the option. Except as provided in the schedule, the new contract will have the same terms and conditions as this contract including any unexercised options.

H-7 ON-SITE USE OF GOVERNMENT PROPERTY

Government facilities and equipment specified or approved for use in the performance of any portion of the contract at the U.S. Naval Research Laboratory (NRL) or any of its field sites may be used by the contractor's personnel on a rent free basis. All such property shall be considered to remain in the possession and control of the NRL for property responsibility and accountability purposes.

H-8 GOVERNMENT-FURNISHED PROPERTY

The following Government property will be furnished to the contractor on a rent-free basis for use in performing the contract:

(To be completed at time of award)

H-9 REPRESENTATIONS AND CERTIFICATIONS

The Contractor's completed Representations, Certifications, and Other Statements of Offerors or Respondents is incorporated herein by reference in any resultant award.

H-10 PROTECTION OF HUMAN SUBJECTS

It is understood and agreed that in the performance of this contract the Contractor shall comply, as appropriate, with the provisions of the following directives/regulations:

- (a) Department of Defense, Title 32, Code of Federal Regulations, Part 219 (32 CFR 219), "Protection of Human Subjects" and "Protection of Human Subjects in DoD Supported Research", August 1991;
- (b) DHHS Regulations, "Protection of Human Subjects" (45 Code of Federal Regulations Part 46) of 19 August 1991; and
- (c) DoD Directive 3216.2, "Protection of Human Subjects in DoD Supported Research", 7 January 1983, as amended.

PART II - CONTRACT CLAUSES
SECTION I
CONTRACT CLAUSES

I-1 52.252-2 - CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available.

Also, the full text of a clause may be accessed electronically at this/these address(es):

<http://www.arnet.gov/far>

<http://heron.nrl.navy.mil/contracts/home.htm>

a. FEDERAL ACQUISITION REGULATION CLAUSES

<u>FAR CLAUSE</u>	<u>TITLE</u>
52.202-1	- Definitions (MAY 2001)
52.203-3	- Gratuities (APR 1984)
52.203-5	- Covenant Against Contingent Fees (APR 1984)
52.203-6	- Restrictions On Subcontractor Sales To The Government (JUL 1995)
52.203-7	- Anti-Kickback Procedures (JUL 1995)
52.203-8	- Cancellation, Rescission, And Recovery Of Funds For Illegal Or Improper Activity (JAN 1997)
52.203-10	- Price Or Fee Adjustment For Illegal Or Improper Activity (JAN 1997)
52.203-12	- Limitation On Payments To Influence Certain Federal Transactions (JUN 1997)
52.204-2	- Security Requirements (AUG 1996)
52.204-4	- Printed Or Copied Double-Sided On Recycled Paper (AUG 2000)
52.209-6	- Protecting The Government's Interest When Subcontracting With Contractors Debarred, Suspended, Or Proposed For Debarment (JUL 1995)
52.211-15	- Defense Priority And Allocation Requirements (SEP 1990)
52.215-2	- Audit And Records-Negotiation (JUN 1999)
52.215-8	- Order Of Precedence - Uniform Contract Format (OCT 1997)
52.215-14	- Integrity Of Unit Prices (OCT 1997)
52.215-15	- Pension Adjustments And Asset Reversions (DEC 1998)
52.215-17	- Waiver Of Facilities Capital Cost Of Money (OCT 1997) (<i>will be included if the successful offeror does not propose facilities capital cost of money</i>)
52.215-18	- Reversion Or Adjustment Of Plans For Post-Retirement Benefits (PRB) Other Than Pensions (OCT 1997)
52.215-19	- Notification Of Ownership Changes (OCT 1997)
52.215-21	- Requirements For Cost And Pricing Data Or Information Other Than Cost Or Pricing Data - Modifications (OCT 1997) - Alternate IV (OCT 1997)
52.216-7	- Allowable Cost And Payment (MAR 2000)
52.216-10	- Incentive Fee (MAR 1997)
52.219-4	- Notice Of Price Evaluation Preference For HUBZone Small Business Concerns (JAN 1999) <input type="checkbox"/> Offeror elects to waive the evaluation preference.
52.219-8	- Utilization Of Small Business Concerns (OCT 2000)
52.219-9	- Small Business Subcontracting Plan (OCT 2000) - Alternate II (OCT 2000)
52.219-16	- Liquidated Damages-Subcontracting Plan (JAN 1999)
52.222-2	- Payment For Overtime Premiums (JUL 1990) -The Use Of Overtime Is Authorized Under This Contract If The Overtime Premium Does Not Exceed <u>"0"</u>
52.222-3	- Convict Labor (AUG 1996)

- 52.222-19 - Child Labor – Cooperation With Authorities And Remedies (FEB 2001)
- 52.222-20 - Walsh-Healey Public Contracts Act (DEC 1996)
- 52.222-21 - Prohibition of Segregated Facilities (FEB 1999)
- 52.222-26 - Equal Opportunity (FEB 1999)
- 52.222-35 - Affirmative Action For Disabled Veterans And Veterans Of The Vietnam Era (APR 1998)
- 52.222-36 - Affirmative Action For Workers With Disabilities (JUN 1998)
- 52.222-37 - Employment Reports On Disabled Veterans And Veterans Of The Vietnam Era (JAN 1999)
- 52.223-3 - Hazardous Material Identification And Material Safety Data (JAN 1997)
- 52.223-5 - Pollution Prevention And Right-To-Know Information (APR 1998)
- 52.223-6 - Drug-Free Workplace (MAY 2001)
- 52.223-10 - Waste Reduction Program (AUG 2000)
- 52.223-14 - Toxic Chemical Release Reporting (OCT 2000)
- 52.225-13 - Restrictions On Certain Foreign Purchases (JUL 2000)
- 52.227-1 - Authorization And Consent (JUL 1995)- Alternate I (APR 1984)
- 52.227-2 - Notice And Assistance Regarding Patent And Copyright Infringement (AUG 1996)
- 52.227-10 - Filing Of Patent Application- Classified Subject Matter (APR 1984)
- 52.227-11 - Patent Rights - Retention By The Contractor (Short Form) (JUN 1997)
(will be included if the successful offeror is a small business or a non-profit organization)
- 52.227-12 - Patent Rights - Retention By The Contractor (Long Form) (JAN 1997)
(will be included if the successful offeror is not a small business or a non-profit organization)
- 52.227-13 - Patent Rights - Acquisition By The Government (JAN 1997)
- 52.228-7 - Insurance - Liability To Third Persons (MAR 1996)
- 52.230-2 - Cost Accounting Standards (APR 1998)
- 52.230-3 - Disclosure And Consistency Of Cost Accounting Practices (APR 1998)
- 52.230-6 - Administration Of Cost Accounting Standards (NOV 1999)
- 52.232-9 - Limitation On Withholding Of Payments (APR 1984)
- 52.232-17 - Interest (JUN 1996)
- 52.232-18 - Availability Of Funds (APR 1984)
- 52.232-20 - Limitation Of Cost (APR 1984) *(Applicable when the contract or task order is fully funded)*
- 52.232-22 - Limitation Of Funds (APR 1984) *(Applicable when the contract or task order is not fully funded)*
- 52.232-23 - Assignment Of Claims (JAN 1986) Alternate I (APR 1984)
- 52.232-25 - Prompt Payment (MAY 2001)
- 52.232-33 - Payment By Electronic Funds Transfer-Central Contractor Registration (MAY 1999)
- 52.233-1 - Disputes (DEC 1998) - Alternate I (DEC 1991)
- 52.233-3 - Protest After Award (AUG 1996) - Alternate I (JUN 1985)
- 52.237-3 - Continuity Of Services (JAN 1991)
- 52.242-1 - Notice Of Intent To Disallow Costs (APR 1984)
- 52.242-3 - Penalties For Unallowable Costs (MAY 2001)
- 52.242-4 - Certification of Final Indirect Costs (JAN 1997)
- 52.242-13 - Bankruptcy (JUL 1995)
- 52.243-2 - Changes - Cost-Reimbursement (AUG 1987) - Alternate V (APR 1984)
- 52.243-6 - Change Order Accounting (APR 1984)
- 52.243-7 - Notification Of Changes (APR 1984) fill in 30
- 52.244-2 - Subcontracts (AUG 1998) - Alternate I (AUG 1998)
- 52.244-5 - Competition In Subcontracting (DEC 1996)
- 52.244-6 - Subcontracts For Commercial Items (MAY 2001)
- 52.245-5 - Government Property (Cost-Reimbursement, Time-And-Material, Or Labor-Hour Contracts) (JAN 1986) (DEVIATION)
- 52.245-5 - Government Property (Cost-Reimbursement, Time-And-Material, Or Labor-Hour Contracts)

- (JAN 1986)(DEVIATION) - Alternate I (JUL 1985)
- 52.245-18 - Special Test Equipment (FEB 1993)
 - 52.245-19 - Government Property Furnished "As-Is" (APR 1984)
 - 52.246-23 - Limitation Of Liability (FEB 1997)
 - 52.246-25 - Limitation Of Liability - Services (FEB 1997)
 - 52.247-1 - Commercial Bill Of Lading Notations (APR 1984)
 - 52.247-63 - Preference For U. S. Flag Carriers (JAN 1997)
 - 52.249-6 - Termination (Cost-Reimbursement) (SEP 1996)
 - 52.249-14 - Excusable Delays (APR 1984)
 - 52.251-1 - Government Supply Sources (APR 1984)
 - 52.252-6 - Authorized Deviations in Clauses (APR 1984)(fill in Defense Federal Acquisition Regulation Supplement (48 CFR Chapter 2))
 - 52.253-1 - Computer Generated Forms (JAN 1991)

b. DEPARTMENT OF DEFENSE FEDERAL ACQUISITION REGULATION CLAUSES

DFARS CLAUSE TITLE

- 252.201-7000 - Contracting Officer's Representative (DEC 1991)
- 252.203-7001 - Prohibition On Persons Convicted Of Fraud Or Other Defense Contract Related Felonies (MAR 1999)
- 252.203-7002 - Display Of DoD Hotline Poster (DEC 1991)
- 252.204-7000 - Disclosure Of Information (DEC 1991)
- 252.204-7003 - Control Of Government Personnel Work Product (APR 1992)
- 252.204-7004 - Required Central Contractor Registration (MAR 2000)
- 252.204-7005 - Oral Attestation Of Security Responsibilities (AUG 1999)
- 252.205-7000 - Provision Of Information To Cooperative Agreement Holders (DEC 1991)
- 252.209-7000 - Acquisition From Subcontractors Subject To On-Site Inspection Under The Intermediate-Range Nuclear Forces (INF) Treaty (NOV 1995)
- 252.209-7004 - Subcontracting With Firms That Are Owned Or Controlled By The Government Of A Terrorist Country (MAR 1998)
- 252.219-7003 - Small Business And Small Disadvantaged Business Subcontracting Plan (DoD Contracts) (APR 1996)
- 252.223-7001 - Hazard Warning Labels (DEC 1991)
- 252.223-7004 - Drug-Free Work Force (SEP 1988)
- 252.223-7006 - Prohibition On Storage And Disposal Of Toxic And Hazardous Materials (APR 1993)
- 252.225-7001 - Buy American Act And Balance Of Payments Program (MAR 1998)
- 252.225-7002 - Qualifying Country Sources As Subcontractors (DEC 1991)
- 252.225-7007 - Buy American Act--Trade Agreements—Balance Of Payments Program (SEP 2001)
- 252.225-7012 - Preference For Certain Domestic Commodities (AUG 2000)
- 252.225-7016 - Restriction On Acquisition Of Ball And Roller Bearings (DEC 2000)
- 252.225-7021 - Trade Agreements (SEP 2001)
- 252.225-7025 - Restriction On Acquisition Of Forgings (JUN 1997)
- 252.225-7026 - Reporting Of Contract Performance Outside The United States (JUN 2000)
- 252.225-7031 - Secondary Arab Boycott Of Israel (JUN 1992)
- 252.225-7043 - Antiterrorism/Force Protection Policy For Defense Contractors Outside The United States (JUN 1998) (fill in : Naval Criminal Investigative Service (NCIS), Code 24, telephone, DSN 228-9113 or commercial (202)433-9113)
- 252.226-7001 - Utilization of Indian Organizations and Indian-Owned Economic Enterprises-DoD Contracts (SEP 2001)
- 252.227-7000 - Non Estoppel (OCT 1966)
- 252.227-7001 - Release Of Past Infringement (AUG 1984)

- 252.227-7013 - Rights In Technical Data -- Noncommercial Items (NOV 1995)
- 252.227-7014 - Rights In Noncommercial Computer Software And Noncommercial Computer Software Documentation (JUN 1995)
- 252.227-7016 - Rights In Bid Or Proposal Information (JUN 1995)
- 252.227-7019 - Validation Of Asserted Restrictions--Computer Software (JUN 1995)
- 252.227-7026 - Deferred Delivery Of Technical Data Or Computer Software (APR 1988)
- 252.227-7027 - Deferred Ordering Of Technical Data Or Computer Software (APR 1988)
- 252.227-7030 - Technical Data--Withholding Of Payment (MAR 2000)
- 252.227-7034 - Patents--Subcontracts (APR 1984)
- 252.227-7036 - Declaration Of Technical Data Conformity (JAN 1997)
- 252.227-7037 - Validation Of Restrictive Markings On Technical Data (SEP 1999)
- 252.227-7039 - Patents--Reporting Of Subject Inventions (APR 1990)
- 252.231-7000 - Supplemental Cost Principles (DEC 1991)
- 252.232-7009 - Mandatory Payment By Governmentwide Commercial Purchase Card (JUL 2000)
- 252.235-7010 - Acknowledgment Of Support And Disclaimer (MAY 1995)
- 252.235-7011 - Final Scientific Or Technical Report (SEP 1999)
- 252.242-7000 - Post Award Conference (DEC 1991)
- 252.242-7004 - Material Management And Accounting System (DEC 2000)
- 252.242-7005 - Cost/Schedule Status Report Plans (MAR 1997)
- 252.243-7002 - Requests For Equitable Adjustment (MAR 1998)
- 252.244-7000 - Subcontracts For Commercial Items And Commercial Components (DOD Contracts) (MAR 2000)
- 252.245-7001 - Reports Of Government Property (MAY 1994)
- 252.246-7001 - Warranty Of Data (DEC 1991)
- 252.247-7023 - Transportation Of Supplies By Sea (MAR 2000)
- 252.247-7024 - Notification Of Transportation Of Supplies By Sea (MAR 2000)
(will be included if the successful offeror made a negative response to the inquiry at DFARS 252.247-7022)
- 252.251-7000 - Ordering From Government Supply Sources (MAY 1995)

I-2 FAR 52.223-11 - OZONE-DEPLETING SUBSTANCES (MAY 2001)

(a) *Definitions.* "Ozone-depleting substance", as used in this clause, means any substance the Environmental Protection Agency designates in 40 CFR Part 82 as –

- (1) Class I, including, but not limited to, chlorofluorocarbons, halons, carbon tetrachloride, and methyl chloroform; or
- (2) Class II, including, but not limited to, hydrochlorofluorocarbons.

(b) The Contractor shall label products which contain or are manufactured with ozone-depleting substances in the manner and to the extent required by 42 U.S.C. 7671j (b), (c), and (d) and 40 CFR Part 82, Subpart E, as follows:

WARNING

Contains (or manufactured with, if applicable) _____, a substance(s) which harm(s) public health and environment by destroying ozone in the upper atmosphere.

*The Contractor shall insert the name of the substance(s).

I-3 DFARS 252.225-7008 - SUPPLIES TO BE ACCORDED DUTY- FREE ENTRY (MAR 1998)

In accordance with paragraph (b) of the Duty-Free Entry clause of this contract, in addition to duty-free entry for all qualifying country supplies (end products and components) and all eligible end products subject to applicable trade agreements (if this contract contains the Buy American Act - Trade Agreements - Balance of Payments Program clause or the Buy American Act - North American Free Trade Agreement Implementation Act - Balance of Payments Program clause), the following foreign end products that are neither qualifying country end products nor eligible end products under a trade agreement, and the following nonqualifying country components, are accorded duty free entry.

PART III - LIST OF DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS
SECTION J
LIST OF ATTACHMENTS

- J-1** **Attachment (1) - Statement Of Work - 48 Pages, With Exhibit A - DD Form 1423, Contract Data Requirements List, 13 Pages.**
- J-2** **Attachment (2) – Award Fee Performance Evaluation Plan, 10 Pages**
- J-3** **Attachment (3) - DD Form 254, Contract Security Classification Specification, Ser Dated w/Attachments 2 Pages.**
- J-4** **Attachment (4) – Accounting and Appropriation Data- 1 page. ***
(To be included at time of award)*

PART IV - REPRESENTATIONS AND INSTRUCTIONS
SECTION - K
REPRESENTATIONS, CERTIFICATIONS
AND OTHER STATEMENTS OF OFFERORS OR RESPONDENTS

K-1 Representations, Certifications, and Other Statements of Offerors or Respondents

Each Offeror shall submit a completed Representations, Certifications, and Other Statements Of Offerors or Respondents with its proposal which is available electronically in full text at <http://heron.nrl.navy.mil/contracts/rep&certs.htm>

K-2 FILL IN FOR FAR 52.219-1 - SMALL BUSINESS PROGRAM REPRESENTATIONS (MAR 2001)

The fill in information is as follows:

The NAICS code for this acquisition is (571410)

The small business size standard is. (500 employees)

SECTION L
INSTRUCTIONS CONDITIONS AND NOTICES
TO OFFERORS OR RESPONDENTS

L-1 52.252-1 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE (FEB 1998)

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this/these address(es):

<http://www.arnet.gov/far>

<http://heron.nrl.navy.mil/contracts/home.htm>

FAR CLAUSE	TITLE
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52.204-6	- Data Universal Numbering System (DUNS) Number (JUNE 1999)
52.214-34	- Submission Of Offers In The English Language (APR 1991)
52.214-35	- Submission Of Offers In U.S. Currency (APR 1991)
52.215-1	- Instructions to Offerors- Competitive Acquisition (MAY 2001)
52.215-16	- Facilities Capital Cost Of Money (OCT 1997)
52.222-24	- Preaward On-Site Equal Opportunity Compliance Evaluation (FEB 1999)
52.237-10	- Identification of Uncompensated Overtime (OCT 1997)

L-2 FAR 52.211-14 - NOTICE OF PRIORITY RATING FOR NATIONAL DEFENSE USE (SEP 1990)

Any contract awarded as a result of this solicitation will be a ☐ DX rated order; ☒ DO rated order certified for national use under the Defense Priorities and Allocations system (DPAS) (15 CFR 700), and the Contractor will be required to follow all of the requirements of this regulation.

L-3 FAR 52.215-20 REQUIREMENTS FOR COST OR PRICING DATA OR INFORMATION OTHER THAN COST OR PRICING DATA (OCT 1997)ALTERNATE IV (OCT 1997)

(a) Submission of cost or pricing data is not required.

(b) Provide information described below : The Offeror shall provide information as required in Section L.11.C of this solicitation.

L-4 FAR 52.216-1 - TYPE OF CONTRACT (APR 1984)

The Government contemplates award of a Cost Plus Award Fee Research and Development Completion-type Contract resulting from this solicitation.

L-5 FAR 52.222-18 – CERTIFICATION REGARDING KNOWLEDGE OF CHILD LABOR FOR LISTED END PRODUCTS (FEB 2001)

The fill-in information is as follows:

Listed End Product	Listed Countries of Origin

L-6 FAR 52.233-2 - SERVICE OF PROTEST (AUG 1996)

(a) Protests, as defined in Section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the General Accounting Office (GAO) shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from the Control Desk, Code 3200, Bldg. 222, Rm. 115, Naval Research Laboratory, 4555 Overlook Ave., S.W., Washington DC 20375-5326.

(b) The copy of any protest shall be received in the office designated above within one day of filing a protest with the GAO.

L-7 DFARS 252.227-7017 - IDENTIFICATION AND ASSERTION OF USE, RELEASE, OR DISCLOSURE RESTRICTIONS (JUN 1995)

- (a) The terms used in this provision are defined in following clause or clauses contained in this solicitation--
- (1) If a successful offeror will be required to deliver technical data, the Rights in Technical Data--Noncommercial Items clause, or, if this solicitation contemplates a contract under the Small Business Innovative Research Program, the Rights in Noncommercial Technical Data and Computer Software--Small Business Innovative Research (SBIR) Program clause.
 - (2) If a successful offeror will not be required to deliver technical data, the Rights in Noncommercial Computer Software and Noncommercial Computer Software Documentation clause, or, if this solicitation contemplates a contract under the Small Business Innovative Research Program, the Rights in Noncommercial Technical Data and Computer Software--Small Business Innovative Research (SBIR) Program clause.
- (b) The identification and assertion requirements in this provision apply only to technical data, including computer software documents, or computer software to be delivered with other than unlimited rights. For contracts to be awarded under the Small Business Innovative Research Program, the notification requirements do not apply to technical data or computer software that will be generated under the resulting contract. Notification and identification is not required for restrictions based solely on copyright.
- (c) Offers submitted in response to this solicitation shall identify, to the extent known at the time an offer is submitted to the Government, the technical data or computer software that the Offeror, its subcontractors or suppliers, or potential subcontractors or suppliers, assert should be furnished to the Government with restrictions on use, release, or disclosure.
- (d) The Offeror's assertions, including the assertions of its subcontractors or suppliers or potential subcontractors or suppliers shall be submitted as an attachment to its offer in the following format, dated and signed by an official authorized to contractually obligate the Offeror:
- Identification and Assertion of Restrictions on the Government's Use, Release, or Disclosure of Technical Data or Computer Software.
- The Offeror asserts for itself, or the persons identified below, that the Government's rights to use, release, or disclose the following technical data or computer software should be restricted:

Technical Data or Computer Software to be Furnished With Restrictions*	Basis for Assertion**	Asserted Rights Category***	Name of Person Asserting Restrictions****
(LIST)*****.	(LIST)	(LIST)	(LIST)

* For technical data (other than computer software documentation) pertaining to items, components, or

processes developed at private expense, identify both the deliverable technical data and each such item, component, or process. For computer software or computer software documentation identify the software or documentation.

- ** Generally, development at private expense, either exclusively or partially, is the only basis for asserting restrictions. For technical data, other than computer software documentation, development refers to development of the item, component, or process to which the data pertain. The Government's rights in computer software documentation generally may not be restricted. For computer software, development refers to the software. Indicate whether development was accomplished exclusively or partially at private expense. If development was not accomplished at private expense, or for computer software documentation, enter the specific basis for asserting restrictions.
- *** Enter asserted rights category (e.g., government purpose license rights from a prior contract, rights in SBIR data generated under another contract, limited, restricted, or government purpose rights under this or a prior contract, or specially negotiated licenses).
- **** Corporation, individual, or other person, as appropriate.
- ***** Enter "none" when all data or software will be submitted without restrictions.

Date

Printed Name and Title

Signature

(End of identification and assertion)

- (e) An offeror's failure to submit, complete, or sign the notification and identification required by paragraph (d) of this provision with its offer may render the offer ineligible for award.
- (f) If the Offeror is awarded a contract, the assertions identified in paragraph (d) of this provision shall be listed in an attachment to that contract. Upon request by the Contracting Officer, the Offeror shall provide sufficient information to enable the Contracting Officer to evaluate any listed assertion.

L-8 DFARS 252.227-7028 - TECHNICAL DATA OR COMPUTER SOFTWARE PREVIOUSLY DELIVERED TO THE GOVERNMENT (JUN 1995)

The Offeror shall attach to its offer an identification of all documents or other media incorporating technical data or computer software it intends to deliver under this contract with other than unlimited rights that are identical or substantially similar to documents or other media that the Offeror has produced for, delivered to, or is obligated to deliver to the Government under any contract or subcontract. The attachment shall identify - -

- (a) The contract number under which the data or software were produced;
- (b) The contract number under which, and the name and address of the organization to whom, the data or software were most recently delivered or will be delivered; and
- (c) Any limitations on the Government's rights to use or disclose the data or software, including, when applicable, identification of the earliest date the limitations expire.

L-9 GOVERNMENT-FURNISHED PROPERTY

No material, labor, or facilities will be furnished by the Government unless provided for in the solicitation. The Government does not anticipate the need to furnish material, labor, data, or facilities under this solicitation. However, the Government will consider requests for GFP should the need arise.

L-10 INQUIRIES CONCERNING THE RFP

Any questions concerning the RFP must be submitted in writing to the Contracting Officer at the location noted in blocks 7 and 9 of the Standard Form 33, "Solicitation, Offer and Award," no less than fifteen (15) days before closing. The Government will not consider questions received after this date. Offerors are cautioned against directing any questions concerning this RFP to technical personnel at the Naval Research Laboratory.

L-11 INSTRUCTIONS FOR SUBMISSION AND INFORMATION REQUIRED TO EVALUATE PROPOSALS**L.11.A GENERAL PROPOSAL CONTENT AND FORMAT**

(1) Information for the technical/management proposal shall be placed in Volume I, shall be completely separate from the business proposal (Volume II), and shall contain no classified information or references.

(2) Proposal Identification/Mailing - The proposal should be packaged for delivery so as to permit safe and timely arrival at destination. The proposal package should be sent to the address shown in Block 7 of the RFP face page and marked:

Solicitation No. N00173-02-R-RS01

Closing Date:

(As specified in Block 9, RFP face page)

Attn: Code 3235:RDS

(3) Proposal Format and Length - The technical/management proposal shall not exceed 150 pages in length. Resumes required in the technical/management proposal shall not count against the 150-page limit, but shall not exceed two pages in length for each resume. All tables, illustrations, and other data content shall count against the specified page limitation. The Offeror shall use a 12-point Times New Roman font with single spacing, and margins of no less than one inch in preparing the proposal to include all text, tables, graphs, and illustrations. There are no page limitations on the business proposal. The Offeror shall organize the technical proposal to track and cross-reference to the RFP SOW paragraph-numbering format, designated task number and designated task name. The proposal shall be written and organized to be compatible with the RFP, the SOW, the Offeror's organization and accounting structure, and proposed cost estimate. Offerors are encouraged to use recycled paper and maximize the use of double-sided copying when preparing responses to solicitations.

(4) Proposal Labor Hours - The Offeror shall evaluate all RFP requirements and propose the skill mix and hours necessary to accomplish the BEST program. The Offeror shall clearly state the Level of Effort (LOE) proposed on a task-by-task basis and shall include all personnel proposed with sufficient information to clearly demonstrate the Basis of Estimate (BOE) used in determining staffing and LOE requirements

(5) Rights in Technical Data, Software and Documentation - Compliance with the requirements of Sections L-7 and L-8 above shall be integral parts of any proposal submitted under this solicitation. The Offeror shall demonstrate its understanding of and commitment to issues pertaining to unlimited rights for both executable and source code core components. The Offeror shall clearly disclose and identify any proprietary or limited rights software proposed for BEST as shown in paragraph 3.0 of the SOW, as well as Sections L-7 and L-8 of this solicitation. The Offeror shall clearly identify all licensing restrictions and their impact to the Government. Identification of software to be provided with unlimited rights would also be of particular interest to the Government.

L.11.B VOLUME I - TECHNICAL/MANAGEMENT PROPOSAL

Offerors shall furnish an original and 15 copies of a detailed TECHNICAL/MANAGEMENT PROPOSAL in sufficient detail to show compliance with the requirements stated in each subparagraph of Section C and Attachment 1 of this solicitation. Specific cost or pricing details shall be omitted from the Technical Proposal.

The technical proposal shall clearly and concisely identify and discuss the Offeror's technical and managerial qualifications and approaches to accomplishing the requirements outlined in Section C.

The technical proposal shall be subdivided into a "Proposal Summary" section, a "Technical Approach section", a "Company Experience" section, a "Personnel Qualifications" section, a "Managerial Approach" section, and a "Corporate Past Performance Information" section in that order.

The technical proposal shall also contain responses to each of the individual requirements listed in Tasks 1 – 9 and Optional Tasks 1 – 3 of Attachment 1 – Statement of Work. Each response shall furnish the Government with sufficient detail to enable the technical evaluation panel to independently evaluate each response against the respective Government requirement as stated in Section C and Section M.

L.11.B.1 PROPOSAL SUMMARY

The proposal summary is an unevaluated requirement. The Offeror shall provide a concise summary, exclusive of cost information, of its proposal. This summary should be complete, stand on its own, and provide executive level reviewers with an understanding of the content of the proposal. The summary should summarize the highlights, plans and qualifications contained in the body of the technical proposal.

L.11.B.2 TECHNICAL APPROACH

The Offeror shall discuss in detail its proposed technical approach for the planning, development, design, testing, and release of a single integrated system to meet the requirements for high fidelity physics-based models, including threat and environment signature generation for analysis, design, and hardware in-the-loop testing. The Offeror shall clearly demonstrate its approach to satisfying all requirements associated with the

Battlespace Environment and Signatures Toolkit effort, including all option tasks, as required in Attachment 1 of this solicitation. This discussion shall be in sufficient detail to (a) demonstrate the Offeror's compliance with the requirements specified in Section C of this solicitation; (b) demonstrate the Offeror's technical competence and understanding of the purpose, objectives and scope of the required work; (c) demonstrate the Offeror's understanding of the specific technical issues dealt with in the requirements; (d) present the Offeror's proposed procedures and solutions to address the requirements in Section C of this solicitation; (e) address the application of any new technologies and methodologies to be employed in the conceptual design, development, test, integration, and deployment of the system; and (f) discuss all other pertinent technical issues. Pursuant to the requirements above, specific issues to be addressed shall include, but may not be limited to: provision of the Offeror's technical approach to assure that requirements for fidelity, accuracy, and range of application of existing and new signatures codes are met; provision of the Offeror's approach in applying software technologies to accomplish various deployment modes ranging from stand-alone workstations to multiple, heterogenous, distributed computing environments; and the Offeror's capability to support real-time simulations. The Government encourages proposal of unique and innovative responses to its technical requirements.

The Offeror shall clearly document and demonstrate their understanding of key program milestones, schedules and objectives that impact technical performance and ultimate system delivery. The Offeror shall provide their approach to both conducting and satisfying all program reviews and to development and delivery or program critical documentation.

The Offeror shall also address all necessary support functions, including, but not limited to, Earned Value, Configuration Management, QA, V&V, scheduling and other functions necessary for program execution.

L.11.B.3 CORPORATE EXPERIENCED

The Offeror shall describe and document those resources which the firm will make available to this project, including, but not limited to, (a) financial resources, (b) research, development and production facilities and equipment, and (c) any other technical resources offered to meet the Government's requirements as stated in Section C of this solicitation.

The Offeror shall document its general and task specific corporate experience in performing projects requiring technical and scientific efforts the same as, similar to, or related to the efforts required under Attachment 1 to this solicitation. The Offeror shall provide a narrative description, which shows a clear relationship between the company's experience on equal, similar and related projects and the technical and scientific tasks required under the Statement of Work. The Offeror shall document the firm's experience on similar or related projects through narrative descriptions of these experiences. Prior and current program experience should be identified in these narratives by citing contract numbers, contracting agencies or firms, the COR's name and telephone number, the applicable period of performance, and a summary of the nature of the work. The narratives should show the clear relationship of previous work to the requirements of this project.

L.11.B.4 PERSONNEL QUALIFICATIONS

The Offeror shall document the experience, education, and other qualifications of all key personnel proposed to accomplish the technical requirements stated in Attachment 1 of this solicitation. As a minimum, the Offeror shall provide the following information for each proposed key individual: (a) name of proposed personnel; (b) proposed labor category; (c) proposed Task Areas of involvement, as identified in Attachment 1; (d) educational qualifications; (e) technical or managerial qualifications and experience as they relate to Attachment 1; (f) length of experience; and (g) previous work history. This information may be provided in the form of a matrix. For the purpose of this solicitation, Key personnel may (a) include both technical and managerial personnel, and (b) include personnel from the Prime Offeror, all team members, and subcontractors.

The Offeror shall document the availability of proposed key professional and technical personnel to support the effort on a permanent basis. Proposed Key Personnel shall represent the Offeror's commitment to staff highly-qualified employees with the skill mix, background, and education necessary to perform all tasks. The Offeror shall provide documentation to verify that proposed key personnel are either currently in the employ of the Offeror or immediately available for employment. The Offeror shall also provide a Statement of Commitment to document the specific personnel to be committed to the effort, and the amount of effort each individual will be performing against any resulting contract. No minimum or maximum requirements have been established concerning the number of Key Personnel that may be proposed. Emphasis shall be placed on the Offeror's commitment to staffing. Proposed personnel shall either have at least a SECRET clearance, or shall be capable of obtaining at least a SECRET clearance prior to contract commencement.

In addition to the requirements stated above, the Offeror shall (a) describe their plan to retain key personnel throughout the term of any resulting contract, (b) demonstrate their ability to attract additional trained personnel, and (c) describe their strategy for and ability to respond to surges in effort.

L.11.B.5 MANAGERIAL APPROACH

Pursuant to this requirement, the Offeror shall provide a managerial plan to demonstrate its capability to efficiently, effectively and economically plan, organize, manage, coordinate and control the work effort required under this solicitation. The Offeror's managerial plan shall address its approach for tracking milestones, costs, risks, subcontractor efforts (if applicable) and deliverables. The Offeror's managerial plan shall also address its proposed internal procedures for assuring timely responses to the Government's needs on any resulting contract.

As a part of its Managerial Approach, the Offeror shall propose a detailed approach to Earned Value Management that shall, as a minimum, include establishing an initial plan, defining discrete and measurable Earned Value Management parameters, defining how these parameters relate to cost and schedule impacts, identifying all Earned Value reporting and analysis elements, and discussing the Offeror's approach to executing Earned Value Management throughout the life of any resulting contract. The Offeror shall describe their approach in providing a detailed, intermediate and master schedule that generates a critical path for the entire BEST project, including both the base and all option periods. The approach shall address float time for

all non-critical tasks scheduled for completion, a schedule for an integrated baseline review within six months after contract award, and a detailed control account plan. The Offeror shall provide a detailed time-phased control account plan for all tasks scheduled for completion for the initial six months as well as a time-phased summary level planning package for the entire BEST program. The Offeror shall describe a performance measurement baseline using objective earned value techniques.

As a part of its Managerial Approach, the Offeror shall also submit a written summary of the management procedures it will establish, maintain, and use to comply with the requirements of DFAR 252.242-7005 – Cost/Schedule Status Report, as referenced in Section I. If the Offeror proposes to use a Cost/Schedule Control System that has been reviewed and confirmed by the cognizant Administrative Contracting Officer as complying with the earned value management system criteria of DoD 5000.2-R, Mandatory Procedures for Major Defense Acquisition Programs (MDAPS) and Major Automated Information System (MAIS) Acquisition Programs, the Offeror may submit documentation of such recognition instead of the written summary required above.

L.11.B.6 CORPORATE PAST PERFORMANCE INFORMATION

(i) Offerors shall submit the following information as part of their proposal. (Offerors are encouraged to submit the information prior to other parts of the proposal to assist the Government in reducing the length of the evaluation period.) List the last five contracts or subcontracts completed during the past three years for supplies or services similar in nature to this requirement. Include in the five any current contract or subcontracts for similar supplies/services that were awarded at least one year prior to the date of this solicitation. Offerors that have no similar previous or current contracts should provide the requested information for proposed subcontractors that will perform major or critical aspects of the requirement of for the proposed project manager or key personnel responsible for major or critical aspects of the requirement.

1. Name of contracting organization
2. Contract number
3. Contract type

4. Total Contract Value
5. Description of the contract work
6. Contracting Officer and telephone number
7. Contracting officer's representative, program manager, or similar Official and telephone number

(ii) Offerors shall contact the contracting organizations identified pursuant to paragraph (a) as soon as possible and request them to send past performance information on the identified contracts to the address in Block 7 of the face page of this solicitation. The past performance report, which is available at <http://heron.nrl.navy.mil/contracts/home.htm> is to be provided to the contracting organization for this purpose. If the contracting organization has already collected past performance information on the contract pursuant to FAR Subpart 42.15, the format used to collect the information may be used instead of the past performance report.

(iii) Offerors may include in their proposals specific information relating to problems encountered in performing the identified contracts and any corrective actions by the offeror. Offerors should not provide general information on their performance on the identified contracts as this will be obtained from the contracting organizations.

L.11.C VOLUME II - BUSINESS PROPOSAL

REQUIRED COPIES: 1 ORIGINAL AND 5 COPIES

The Offeror shall submit a Cost/Pricing Proposal, which shall include such explanatory data as is necessary to establish that proposed costs are reasonable, allocable, appropriate and allowable pursuant to both Part 31 of the Federal Acquisition Regulation (FAR) and Part 231 of the Defense Federal Acquisition Regulation Supplement (DFARS). More specifically, the Cost/Pricing proposals shall provide the following information:

- (a)
 - (i) Labor to include categories of labor, individuals proposed within each category; hours proposed for each individual, and hourly rate for each individual;
 - (ii) Indirect or Overhead Rate(s);
 - (iii) Any Direct Materials proposed;
 - (iv) Any Other Direct Costs proposed;
 - (v) General and Administrative Rate(s);
 - (vi) Facilities Capital Cost of Money Rate(s);
 - (vii) Any other applicable rates;
 - (viii) Other supporting costs;
 - (ix) Award Fee (see note below)
- (b) Any information reasonably required to explain the Offeror's estimating process, including mathematical algorithms and judgmental factors used in formulating the estimate; and any contingency assumptions employed in arriving at the proposed price
- (c) Consultants/Subcontractors: Offerors shall describe subcontracting arrangements proposed for completing the work required herein. Sub-Contractors shall be identified as well as the portion of the work to be subcontracted. Documents establishing a subcontracting relationship shall be submitted with the cost proposal. Offerors may arrange for proposed subcontractors to submit supporting cost data directly to the Government.

Any such submission shall not be deemed to establish privity of contract between the Government and the proposed sub-contractor. With respect to Independent Contractors or Consultants, the Offeror shall document direct labor rates proposed by providing the Government with copies of either letters of intent or Consultant or Independent Contractor Agreements executed between the Offeror and the Independent Contractor. Offerors who intend to include subcontracted effort as part of their proposal are responsible for ensuring that complete information as described above is provided from each subcontractor as part of their response to this solicitation.

(d) Material and Travel Estimates – FOR EVALUATION PURPOSES ONLY: The Offeror shall propose all travel and material required in performance of this contract. Proposed travel shall include documentation showing the number of proposed trips, embarkation and debarkation points, number of employees per trip, and number of days per trip. The Offeror shall also propose all material and ODCs required in performance of this contract. Proposed materials shall include itemized listings of all material, to include quantity, unit cost, and total cost. The Offeror shall identify whether or not they utilize a government-approved purchasing system.

(e) Optional Tasks: FOR PROPOSAL PURPOSES ONLY, Offerors will use the following estimates (with applicable indirect costs added to the estimate) for optional tasks. If subcontractors propose material or travel costs, these must also be burdened and that burden added to the estimates.

(i) The Offeror shall price Option Task 1 – Special Studies for both the base period of the contract and for all option periods. The Offeror shall propose costs not to exceed \$1,000,000.00 per year, inclusive of all direct and indirect costs through fee.

(ii) The Offeror shall price Option Task 2 – Verification and Validation for both the base period of the contract and for all option periods. The Offeror shall propose costs not to exceed \$1,700,000.00 per year, inclusive of all direct and indirect costs through fee.

(iii) The Offeror shall price Option Task 3 – Independent Verification and Validation Efforts for both the base period of the contract and for all option periods. The Offeror shall propose costs not to exceed \$200,000.00 per year, inclusive of all direct and indirect costs through fee.

(f) Award Fee: As set forth under Section G of this solicitation, Provision G.5, the Government intends to award a Cost Plus Award Fee contract. The Offeror's proposed base fee shall not exceed 2.5% of the estimated cost of the contract exclusive of the fee. The maximum fee payable (i.e., the base fee plus the highest potential award fee) shall not exceed the limitations set forth in FAR 15.404-4(c)(4)(i)(a). Attachment 2, Award Fee Plan, is provided for informational purposes only and requires no response from the Offeror.

SECTION M EVALUATION FACTORS FOR AWARD

M-1 EVALUATION

Award will be made to that responsible offeror whose proposal is determined to be the best value to the Government, proposed cost and other factors considered. The Government reserves the right to make award to other than the low offeror. Although technical considerations are more important than cost, the closer the technical scores of the various proposals are to one another, the more important cost considerations become.

M-2 EVALUATION FACTORS FOR AWARD

Proposals received in response to this solicitation will be evaluated in accordance with the criteria stated in Sections L.11.B(2) – Technical Approach, L.11.B(3) – Corporate Experience, L.11.B(4) – Personnel Qualifications, L.11.B(5) – Managerial Approach, and L.11.B(6) Corporate Past Performance Information, which together comprise the Technical/Management Category; and Section L.11.(C), which comprises the Cost/Pricing category.

M-2-1 – TECHNICAL CATEGORY

The technical evaluation will consider the Offeror's overall approach to, understanding of, and capability to adequately perform and provide the requirements listed in the Statement of Work, as reflected in the Offeror's responses to the evaluation criteria listed in Sections L.11.B.2, L.11.B.3, L.11.B.4, L.11.B.5, and L.11.B.6. Technical scores will be based on evaluative determinations of whether the Offeror's proposal meets, does not meet, or, as proposed, is more advantageous than the Government's minimum requirements. Pursuant to FAR 15.306(c), proposals which are found to contain unrealistic technical or schedule terms, which fail to comply with the requirements stated in this RFP, or which are found to be unrealistically high or low in cost/price, may be significantly downgraded or removed from further consideration. Areas within the Offeror's technical proposal that are found to offer unique or innovative technical solutions, or effort beyond the Government's anticipations as stated in Attachment 1, may receive maximum technical scores.

Evaluated Components within the Technical area include "Technical Approach", "Corporate Experience", "Personnel Qualifications", "Managerial Approach", and "Corporate Past Performance Information". Within the Technical category, the component "Technical Approach" has the highest weight, followed by the components "Corporate Experience", "Personnel Qualifications", "Managerial Approach", and "Corporate Past Performance Information", all of which are equally weighted.

Past Performance – Past performance will be evaluated on the basis of quality of work performed, timeliness of performance, cost control, and business relations. The evaluation will be based on the information provided pursuant to Contract Section L.11.B.(6) and other sources, if available. Offerors that have no relevant performance history or for which past performance information is not available will not be evaluated favorably or unfavorably on past performance. The Government may begin proposal evaluation prior to receipt of past performance information. If, after completion of proposal evaluation except evaluation of past performance, the contracting officer determines that evaluation of past performance will not affect the outcome of competitive selection, the contracting officer may waive its evaluation in accordance with FAR 15.304(c)(3)(iii).

M-2-2 COST TO THE GOVERNMENT

Proposed estimated cost to the Government. The Government may adjust the proposed cost for purposes of evaluation based upon the findings of a cost realism analysis. Cost Realism means that the costs in an offeror's proposal represent the most-probable cost; are realistic for the work to be performed; reflect a clear understanding of the requirements; and are consistent with the various elements of the offeror's technical proposal. The cost realism evaluation includes (a) an analysis of the adequacy of the hours, labor mix, and other direct costs to perform the work as proposed in the technical proposal as well as the proposed labor and indirect rates; (b) an analysis of costs proposed for travel, materials, consultants and subcontractors, facility capital cost of money, and fee; and (c) an evaluation of the likelihood that the risks inherent in the offeror's technical approach will result in higher actual costs than anticipated.

M-3 FAR 52.217-5 - EVALUATION OF OPTIONS (JUL 1990)

Except when it is determined in accordance with FAR 17.206(b) not to be in the Government's best interests, the Government will evaluate offers for award purposes by adding the total price for all options to the total price for the basic requirement. Evaluation of options will not obligate the Government to exercise the option(s).

WARNING:

The statement of work (SOW) for this RFP contains technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S.C., Section 2751, et. seq.) or the Export Administration Act of 1979 (Title 50, U.S.C., App. 2401 et. seq.), as amended.

Therefore, the SOW is provided as a separate document at the following website:

<http://vader.nrl.navy.mil/BEST>

Release of the SOW without proper authorization is a violation of the export laws mentioned above and are subject to sever criminal penalties.

CONTRACT DATA REQUIREMENTS LIST (2 Data Items)					Form Approved OMB No. 0704-0188		
Public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Department (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.							
A. CONTRACT LINE ITEM NO. 0001		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER			
D. SYSTEM/ITEM		E. CONTRACT/PR NO. N00173-02-R-RS01		F. CONTRACTOR			
1. DATA ITEM NO. A001		2. TITLE OF DATA ITEM BEST Full Releases		3. SUBTITLE			
4. AUTHORITY (Data Acquisition Document No.)			5. CONTRACT REFERENCE SOW Sec. 6.6		6. REQUIRING OFFICE NRL Code		
7. DD 250 REQ		9. DIST STATEMENT REQUIRED		10. FREQUENCY Annually		12. DATE OF FIRST SUBMISSION See Blk. 16	
8. APP CODE		11. AS OF DATE See Blk. 16		13. DATE OF SUBSEQUENT SUBMISSION See Blk. 16		14. DISTRIBUTION	
				A. ADDRESSEE		B. COPIES	
						FINAL	
						DRAFT	
						REG	
						REPRE	
				NRL Code 7604		1	
				ACO		1	
				(Trx. Ltr. Only)			
				15. TOTAL		2	
9. DATA ITEM NO. A002		10. TITLE OF DATA ITEM BEST Patch Releases		11. SUBTITLE			17. PRICE GROUP
12. AUTHORITY (Data Acquisition Document No.)			13. CONTRACT REFERENCE SOW Sec. 6.6		14. REQUIRING OFFICE NRL Code		18. ESTIMATED TOTAL PRICE
15. DD 250 REG		9. DIST STATEMENT REQUIRED		10. FREQUENCY Annually		12. DATE OF FIRST SUBMISSION See Blk. 16	
16. APP CODE		11. AS OF DATE See Blk. 16		13. DATE OF SUBSEQUENT SUBMISSION See Blk. 16		14. DISTRIBUTION	
				A. ADDRESSEE		B. COPIES	
						FINAL	
						DRAFT	
						REG	
						REPRE	
				NRL Code 7604		1	
				ACO		1	
				(Trx. Ltr. Only)			
				BMDO		1	
				15. TOTAL		3	
G. PREPARED BY		H. DATE		I. APPROVED BY		J. DATE	

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A. CONTRACT LINE ITEM NO. 0002		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER		
D. SYSTEM/ITEM		E. CONTRACT/PR NO. N00173-02-R-RS01—			F. CONTRACTOR	
1. DATA ITEM NO. A003		2. TITLE OF DATA ITEM Program Management Plan (PMP)			3. SUBTITLE	
4. AUTHORITY (Data Acquisition Document No.)			5. CONTRACT REFERENCE SOW Sec. 6.9		6. REQUIRING OFFICE NRL Code	
7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY One/R	12. DATE OF FIRST SUBMISSION	14. DISTRIBUTION		
8. APP CODE		11. AS OF DATE See Blk. 16	13. DATE OF SUBSEQUENT SUBMISSION	A. ADDRESSEE	B. COPIES	
					DRAFT	FINAL
					REG	REPRE
16. REMARKS The contractor shall create and maintain a BEST PMP describing the contractor's plan of action and associated milestones. The draft plan is due twenty-one (21) days prior to System Requirements Review (SRR). Government comments are due fifteen (15) days after SRR. The overall final copy is due thirty (30) days after SRR. This plan shall be updated periodically, as appropriate, but at least annually and is subject to government disapproval. The contractor shall maintain an up-to-date detailed schedule containing all deliverable products and reviews and showing contractor progress, in a suitable tool such as Microsoft Project. The output of the tool shall be delivered to the government on a monthly and on an as-requested basis. Relevant DID and IEEE Standards: • MIL-STD-498 DI-IPSC-81427, Software Development Plan • IEEE STD 1058.1, Software Program Management Plan • IEEE STD 1074, Standard for Developing Software Life Cycle Processes Documentation available on BEST website. Email notification will be sent to NRL and BMDO.				NRL Code 7604		1
				ACO		1
				(Trx. Ltr. Only)		
1. DATA ITEM NO. A004		2. TITLE OF DATA ITEM Software Architecture Document		3. SUBTITLE		
4. AUTHORITY (Data Acquisition Document No.)			5. CONTRACT REFERENCE SOW Sec. 6.1		6. REQUIRING OFFICE NRL Code	
7. DD 250 REG	9. DIST STATEMENT REQUIRED	10. FREQUENCY One/R	12. DATE OF FIRST SUBMISSION	14. DISTRIBUTION		
8. APP CODE		11. AS OF DATE See Blk. 16	13. DATE OF SUBSEQUENT SUBMISSION	A. ADDRESSEE	B. COPIES	
					DRAFT	FINAL
					REG	REPRE
16. REMARKS The contractor shall deliver the BEST Software Architecture Document (SAD) with the first full release (Release 1.0). The SAD shall present a comprehensive overview of the BEST architecture consisting of all of the BEST technology services and phenomenology components. Updates shall be delivered with subsequent full releases. Documentation available on BEST website. Email notification will be sent to NRL and BMDO.				NRL Code 7604		1
				ACO		1
				(Trx. Ltr. Only)		
G. PREPARED BY		H. DATE		I. APPROVED BY		J. DATE

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A. CONTRACT LINE ITEM NO. 0003		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER			
D. SYSTEM/ITEM		E. CONTRACT/PR NO. N00173-02-R-RS01			F. CONTRACTOR		
1. DATA ITEM NO. A005		2. TITLE OF DATA ITEM Requirements Management Plan			3. SUBTITLE		
4. AUTHORITY (Data Acquisition Document No.)			5. CONTRACT REFERENCE SOW Sec. 6.9		6. REQUIRING OFFICE NRL Code		
7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY One/R	12. DATE OF FIRST SUBMISSION		14. DISTRIBUTION		
8. APP CODE		11. AS OF DATE See Blk. 16	13. DATE OF SUBSEQUENT SUBMISSION		A. ADDRESSEE	DRAFT	B. COPIES FINAL
16. REMARKS The draft Requirements Management Plan is due twenty-one (21) days prior to SRR. Government comments are due fifteen (15) days after SRR. The overall final copy is due thirty (30) days after SRR. This plan may be updated periodically, as appropriate and is subject to government approval. Documentation available on BEST website. Email notification will be sent to NRL and BMDO.					NRL Code 7604		1
					ACO		1
					(Trx. Ltr. Only)		
1. DATA ITEM NO. A006		2. TITLE OF DATA ITEM Configuration Management (CM) Plan			3. SUBTITLE		
4. AUTHORITY (Data Acquisition Document No.)			5. CONTRACT REFERENCE SOW Sec. 6.9		6. REQUIRING OFFICE NRL Code		
7. DD 250 REG	9. DIST STATEMENT REQUIRED	10. FREQUENCY One/R	12. DATE OF FIRST SUBMISSION		14. DISTRIBUTION		
8. APP CODE		11. AS OF DATE See Blk. 16	13. DATE OF SUBSEQUENT SUBMISSION		A. ADDRESSEE	DRAFT	B. COPIES FINAL
16. REMARKS The draft CM Plan is due twenty-one (21) days prior to SRR. Government comments are due fifteen (15) days after SRR. The overall final copy is due thirty (30) days after SRR. This plan may be updated periodically, as appropriate and is subject to government approval. Relevant DID and IEEE Standards: • IEEE STD 828, Standard for Software CM Plan • IEEE 1042, Guide to Software CM Documentation available on BEST website. Email notification will be sent to NRL and BMDO.					NRL Code 7604		1
					ACO		1
					(Trx. Ltr. Only)		
G. PREPARED BY		H. DATE		I. APPROVED BY		J. DATE	

CONTRACT DATA REQUIREMENTS LIST (2 Data Items)												Form Approved OMB No. 0704-0188									
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A. CONTRACT LINE ITEM NO. 0004				B. EXHIBIT A				C. CATEGORY: TDP TM OTHER													
D. SYSTEM/ITEM				E. CONTRACT/PR NO. N00173-02-R-RS01								F. CONTRACTOR									
1. DATA ITEM NO. A007		2. TITLE OF DATA ITEM Quality Assurance (QA) Plan						3. SUBTITLE						17. PRICE GROUP							
4. AUTHORITY (Data Acquisition Document No.)				5. CONTRACT REFERENCE SOW Sec. 6.9				6. REQUIRING OFFICE NRL Code								18. ESTIMATED TOTAL PRICE					
7. DD 250 REQ		9. DIST STATEMENT REQUIRED		10. FREQUENCY One/R		12. DATE OF FIRST SUBMISSION		14. DISTRIBUTION													
8. APP CODE		11. AS OF DATE See Blk. 16		13. DATE OF SUBSEQUENT SUBMISSION		A. ADDRESSEE		B. COPIES													
16. REMARKS The draft QA Plan is due twenty-one (21) days prior to SRR. Government comments are due fifteen (15) days after SRR. The overall final copy is due thirty (30) days after SRR. This plan may be updated periodically, as appropriate and is subject to government disapproval. Relevant DID and IEEE Standards: - IEEE STD 730, Standard for Software QA Plan - IEEE STD 1028, Standard for Software Reviews and Audits - IEEE STD 1298, Standard for Software Quality Management Systems Documentation available on BEST website. Email notification will be sent to NRL and BMDO.												15. TOTAL		DRAFT				FINAL		REG	
1. DATA ITEM NO. A008												2. TITLE OF DATA ITEM Risk Management Plan				3. SUBTITLE				17. PRICE GROUP	
4. AUTHORITY (Data Acquisition Document No.)				5. CONTRACT REFERENCE SOW Sec. 6.9				6. REQUIRING OFFICE NRL Code						18. ESTIMATED TOTAL PRICE							
7. DD 250 REG		9. DIST STATEMENT REQUIRED		10. FREQUENCY One/R		12. DATE OF FIRST SUBMISSION		14. DISTRIBUTION													
8. APP CODE		11. AS OF DATE See Blk. 16		13. DATE OF SUBSEQUENT SUBMISSION		A. ADDRESSEE		B. COPIES													
16. REMARKS The draft Risk Management Plan is due twenty-one (21) days prior to SRR. Government comments are due fifteen (15) days after SRR. The overall final copy is due thirty (30) days after SRR. This plan may be updated periodically, as appropriate and is subject to government disapproval. The list of identified and approved risks shall be delivered monthly and upon request. Mitigation and remediation plans shall be developed and delivered, as appropriate. Documentation available on BEST website. Email notification will be sent to NRL and BMDO.												15. TOTAL				DRAFT		FINAL		REG	
G. PREPARED BY				H. DATE				I. APPROVED BY				J. DATE									

CONTRACT DATA REQUIREMENTS LIST (2 Data Items)

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OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO. 0005	B. EXHIBIT A	C. CATEGORY: TDP TM OTHER
D. SYSTEM/ITEM	E. CONTRACT/PR NO. N00173-02-R-RS01	F. CONTRACTOR

1. DATA ITEM NO. A009	2. TITLE OF DATA ITEM System Requirements Document	3. SUBTITLE
4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE SOW Sec. 6.6	6. REQUIRING OFFICE NRL Code

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY One/R	12. DATE OF FIRST SUBMISSION	14. DISTRIBUTION			
8. APP CODE		11. AS OF DATE See Blk. 16	13. DATE OF SUBSEQUENT SUBMISSION	A. ADDRESSEE	DRAFT	B. COPIES	
						REG	REPRE

[illegible]

1. DATA ITEM NO. A010	2. TITLE OF DATA ITEM Design Review Documents	3. SUBTITLE
4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE SOW Sec. 6.1, 6.2, 6.3, 6.4, 6.5	6. REQUIRING OFFICE NRL Code

7. DD 250 REG	9. DIST STATEMENT REQUIRED	10. FREQUENCY Annually	12. DATE OF FIRST SUBMISSION See Blk. 16	14. DISTRIBUTION		
8. APP CODE		11. AS OF DATE See Blk. 16	13. DATE OF SUBSEQUENT SUBMISSION See Blk. 16	A. ADDRESSEE	DRAFT	B. COPIES
						REG REPRE

16. REMARKS	NRL Code 7604	1	
<p>A Design Review Document shall be developed for each design review, including the IBR, SRR, PDR, CDR, and TRR. This document shall consist of the software design descriptions and all presentation material for the design review. The drafts are due seven (7) days before each design review. Government comments are due fifteen (15) days after each review. The overall final copy is due thirty (30) days after each review cycle.</p> <p>Relevant DID and IEEE Standards:</p> <ul style="list-style-type: none"> MIL-STD-498 DI-IPSC-81432, System/Subsystem Design Description IEEE 1016, Recommended Practice for Software Design Descriptions <p>Documentation available on BEST website. Email notification will be sent to NRL and BMDO.</p>	ACO	1	
	(Trx. Ltr. Only)		
15. TOTAL		2	

G. PREPARED BY		H. DATE	I. APPROVED BY	J. DATE

17. PRICE GROUP

18. ESTIMATED
TOTAL PRICE

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE	
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CONTRACT DATA REQUIREMENTS LIST (2 Data Items)					Form Approved OMB No. 0704-0188		
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A. CONTRACT LINE ITEM NO. 0006		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER			
D. SYSTEM/ITEM		E. CONTRACT/PR NO. N00173-02-R-RS01		F. CONTRACTOR			
1. DATA ITEM NO. A011		2. TITLE OF DATA ITEM Interface Control Documents		3. SUBTITLE			
4. AUTHORITY (Data Acquisition Document No.)		5. CONTRACT REFERENCE SOW Sec. 6.1, 6.3, 6.4		6. REQUIRING OFFICE NRL Code			
7. DD 250 REQ		9. DIST STATEMENT REQUIRED		10. FREQUENCY Annually		12. DATE OF FIRST SUBMISSION See Blk. 16	
8. APP CODE		11. AS OF DATE See Blk. 16		13. DATE OF SUBSEQUENT SUBMISSION See Blk. 16		14. DISTRIBUTION	
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				NRL Code 7604		1	
				ACO		1	
				(Trx. Ltr. Only)			
				15. TOTAL		2	
16. REMARKS An Interface Control Document shall be developed for each external interface and shall detail the content and format of each software or data input or output. The draft is due thirty (30) days after PDR. Government comments are due forty-five (45) days after PDR. The overall final copy is due thirty (30) days before Critical Design Review (CDR). Relevant DID and IEEE Standards: - MIL-STD-498 DI-IPSC-81434, Interface Requirements Specification - MIL-STD-498 DI-IPSC-81436, Interface Design Description Documentation available on BEST website. Email notification will be sent to NRL and BMDO.				17. PRICE GROUP			
18. ESTIMATED TOTAL PRICE				18. ESTIMATED TOTAL PRICE			
1. DATA ITEM NO. A012		2. TITLE OF DATA ITEM Software Detailed Design Documents		3. SUBTITLE			
4. AUTHORITY (Data Acquisition Document No.)		5. CONTRACT REFERENCE SOW Sec. 6.1, 6.2, 6.3, 6.4, 6.5		6. REQUIRING OFFICE NRL Code			
7. DD 250 REG		9. DIST STATEMENT REQUIRED		10. FREQUENCY Annually		12. DATE OF FIRST SUBMISSION See Blk. 16	
8. APP CODE		11. AS OF DATE See Blk. 16		13. DATE OF SUBSEQUENT SUBMISSION See Blk. 16		14. DISTRIBUTION	
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						REPRE	
				NRL Code 7604		1	
				ACO		1	
				(Trx. Ltr. Only)			
				15. TOTAL		2	
16. REMARKS Software Detailed Design Document shall be developed for each full software release. This document shall reference the functional requirements to be contained in the release and present the detailed software design for the release. The draft is due thirty (30) days prior to CDR. Government comments are due fifteen (15) days after CDR. The overall final copy is due thirty (30) days after CDR. This document shall be updated, if necessary, to reflect the as-built release prior to Physical Configuration Audit (PCA). Relevant DID and IEEE Standards: - MIL-STD-498 DI-IPSC-81435, Software Design Description Documentation available on BEST website. Email notification will be sent to NRL and BMDO.				17. PRICE GROUP			
18. ESTIMATED TOTAL PRICE				18. ESTIMATED TOTAL PRICE			
G. PREPARED BY		H. DATE		I. APPROVED BY		J. DATE	

CONTRACT DATA REQUIREMENTS LIST (2 Data Items)					Form Approved OMB No. 0704-0188																																									
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A. CONTRACT LINE ITEM NO. 0007		B. EXHIBIT A		C. CATEGORY: TOP TM OTHER																																										
D. SYSTEM/ITEM		E. CONTRACT/PR NO. N00173-02-R-RS01		F. CONTRACTOR																																										
1. DATA ITEM NO. A013		2. TITLE OF DATA ITEM Application Program Interface (API) Specifications		3. SUBTITLE																																										
4. AUTHORITY (Data Acquisition Document No.)		5. CONTRACT REFERENCE SOW Sec. 6.1, 6.2, 6.3, 6.4		6. REQUIRING OFFICE NRL Code																																										
7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY Annually	12. DATE OF FIRST SUBMISSION See Blk. 16	14. DISTRIBUTION																																										
8. APP CODE		11. AS OF DATE See Blk. 16	13. DATE OF SUBSEQUENT SUBMISSION See Blk. 16	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th rowspan="2" style="width: 40%;">A. ADDRESSEE</th> <th colspan="2">B. COPIES</th> </tr> <tr> <th>DRAFT</th> <th>FINAL</th> </tr> <tr> <td></td> <td>REG</td> <td>REPRE</td> </tr> <tr> <td>NRL Code 7604</td> <td style="text-align: center;">1</td> <td></td> </tr> <tr> <td>ACO</td> <td style="text-align: center;">1</td> <td></td> </tr> <tr> <td>(Trx. Ltr. Only)</td> <td></td> <td></td> </tr> <tr><td> </td><td></td><td></td></tr> <tr><td> </td><td></td><td></td></tr> <tr><td> </td><td></td><td></td></tr> <tr><td> </td><td></td><td></td></tr> <tr><td> </td><td></td><td></td></tr> <tr><td> </td><td></td><td></td></tr> <tr><td> </td><td></td><td></td></tr> <tr> <td>15. TOTAL</td> <td style="text-align: center;">2</td> <td></td> </tr> </table>			A. ADDRESSEE	B. COPIES		DRAFT	FINAL		REG	REPRE	NRL Code 7604	1		ACO	1		(Trx. Ltr. Only)																								15. TOTAL	2
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15. TOTAL	2																																													
16. REMARKS An API specification shall be developed for each API. The draft API specifications are due twenty-one (21) days before the first PDR. Subsequent specifications are due seven (7) days before PDR. Government comments are due fifteen (15) days after PDR. The overall final copy is due thirty (30) days after PDR. Documentation available on BEST website. Email notification will be sent to NRL and BMDO.				17. PRICE GROUP																																										
				18. ESTIMATED TOTAL PRICE																																										
1. DATA ITEM NO. A014		2. TITLE OF DATA ITEM Source Code		3. SUBTITLE																																										
4. AUTHORITY (Data Acquisition Document No.)		5. CONTRACT REFERENCE SOW Sec. 6.6		6. REQUIRING OFFICE NRL Code																																										
7. DD 250 REG	9. DIST STATEMENT REQUIRED	10. FREQUENCY Annually	12. DATE OF FIRST SUBMISSION See Blk. 16	14. DISTRIBUTION																																										
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15. TOTAL	2																																													
16. REMARKS All developed source code shall be delivered to the NRL upon successful completion of its functional and physical configuration audits. The form of software delivery shall be specified in the contractor's PMP.				17. PRICE GROUP																																										
				18. ESTIMATED TOTAL PRICE																																										
G. PREPARED BY		H. DATE		I. APPROVED BY		J. DATE																																								

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A. CONTRACT LINE ITEM NO. 0008		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER			
D. SYSTEM/ITEM		E. CONTRACT/PR NO. N00173-02-R-RS01		F. CONTRACTOR			
1. DATA ITEM NO. A015		2. TITLE OF DATA ITEM Program Test Plan		3. SUBTITLE			
4. AUTHORITY (Data Acquisition Document No.)		5. CONTRACT REFERENCE SOW Sec. 6.7		6. REQUIRING OFFICE NRL Code			
7. DD 250 REQ		9. DIST STATEMENT REQUIRED		10. FREQUENCY Annually		12. DATE OF FIRST SUBMISSION See Blk. 16	
8. APP CODE		11. AS OF DATE See Blk. 16		13. DATE OF SUBSEQUENT SUBMISSION See Blk. 16		14. DISTRIBUTION	
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16. REMARKS The draft is due twenty-one (21) days prior to the first PDR. Subsequent plans are due seven (7) days before PDR. Government comments are due thirty (30) days after PDR. The final overall copy is due twenty-one (21) days before CDR. Relevant DID and IEEE Standards: - MIL-STD-498 DI-IPSC-81438, Software Test Plan - IEEE STD 829, Standard for Software Test Documentation - IEEE STD 1008, Standard for Software Unit Test - IEEE STD 1012, Standard for Software Verification and Validation Documentation available on BEST website. Email notification will be sent to NRL and BMDO.				NRL Code 7604		1	
				ACO		1	
				(Trx. Ltr. Only)			
				15. TOTAL		2	
1. DATA ITEM NO. A016		2. TITLE OF DATA ITEM Acceptance Test Plans		3. SUBTITLE			
4. AUTHORITY (Data Acquisition Document No.)		5. CONTRACT REFERENCE SOW Sec. 6.7		6. REQUIRING OFFICE NRL Code			
7. DD 250 REG		9. DIST STATEMENT REQUIRED		10. FREQUENCY Annually		12. DATE OF FIRST SUBMISSION See Blk. 16	
8. APP CODE		11. AS OF DATE See Blk. 16		13. DATE OF SUBSEQUENT SUBMISSION See Blk. 16		14. DISTRIBUTION	
				A. ADDRESSEE		B. COPIES	
				DRAFT		FINAL	
						REG REPRE	
16. REMARKS For annual releases, an Acceptance Test Plan shall be developed and delivered to the government. The draft shall be delivered twenty-one (21) days prior to the first PDR. Subsequent plans shall be delivered seven (7) days before PDR. Government comments are due thirty (30) days after the PDR. The overall final copy is due twenty-one (21) days before CDR. Incremental acceptance test plans, for interim releases, shall be developed and delivered to the government. The draft shall be delivered fourteen (14) days prior to interim acceptance testing. Government comments are due seven (7) days prior to interim acceptance testing. The final copy is due two (2) days prior to interim acceptance testing. Relevant DID and IEEE Standards: - MIL-STD-498 DI-IPSC-81438, Software Test Plan - IEEE STD 829, Standard for Software Test Documentation - IEEE STD 1012, Standard for Software Verification and Validation Documentation available on BEST website. Email notification will be sent to NRL and BMDO.				NRL Code 7604		1	
				ACO		1	
				(Trx. Ltr. Only)			
				15. TOTAL		2	
G. PREPARED BY		H. DATE		I. APPROVED BY		J. DATE	

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A. CONTRACT LINE ITEM NO. 0009		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER			
D. SYSTEM/ITEM		E. CONTRACT/PR NO. N00173-02-R-RS01		F. CONTRACTOR			
1. DATA ITEM NO. A017		2. TITLE OF DATA ITEM Test Scenarios, Test Cases, Test Data, and Test Procedures			3. SUBTITLE		
4. AUTHORITY (Data Acquisition Document No.)		5. CONTRACT REFERENCE SOW Sec. 6.7		6. REQUIRING OFFICE NRL Code			
7. DD 250 REQ		9. DIST STATEMENT REQUIRED		10. FREQUENCY One/R		12. DATE OF FIRST SUBMISSION	
8. APP CODE		11. AS OF DATE See Blk. 16		13. DATE OF SUBSEQUENT SUBMISSION		14. DISTRIBUTION	
				A. ADDRESSEE		B. COPIES	
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						REG	
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16. REMARKS All Test Scenarios, Test Cases, Test Data, and Test Procedures shall be maintained by the contractor and made available for quality inspections upon request. These test products shall be delivered in conjunction with the corresponding software delivery. Acceptance Test Scenarios, Test Cases, Test Data, and Test Procedures shall be available for inspection twenty-one (21) days prior to Test Readiness Review (TRR). Relevant DID and IEEE Standards: - MIL-STD-498 DI-IPSC-81439, Software Test Description - IEEE STD 829, Standard for Software Test Documentation - IEEE STD 1008, Standard for Software Unit Test - IEEE STD 1012, Standard for Software Verification and Validation Documentation available on BEST website. Email notification will be sent to NRL and BMDO.				NRL Code 7604		1	
				ACO		1	
				(Trx. Ltr. Only)			
				15. TOTAL		2	
17. PRICE GROUP							
18. ESTIMATED TOTAL PRICE							
1. DATA ITEM NO. A018		2. TITLE OF DATA ITEM Acceptance Test Reports			3. SUBTITLE		
4. AUTHORITY (Data Acquisition Document No.)		5. CONTRACT REFERENCE SOW Sec. 6.9		6. REQUIRING OFFICE NRL Code			
7. DD 250 REG		9. DIST STATEMENT REQUIRED		10. FREQUENCY One/R		12. DATE OF FIRST SUBMISSION	
8. APP CODE		11. AS OF DATE See Blk. 16		13. DATE OF SUBSEQUENT SUBMISSION		14. DISTRIBUTION	
				A. ADDRESSEE		B. COPIES	
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						REPRE	
16. REMARKS The draft is due fourteen (14) days after each Acceptance Test. Government comments are due twenty-one (21) days after each test. The overall final copy is due thirty (30) days after each test. The Acceptance Test Report shall include a Functional Configuration Audit (FCA) report describing the functionality that has been satisfied. Relevant DID and IEEE Standards: - MIL-STD-498 DI-IPSC-81440, Software Test Report - IEEE STD 829, Standard for Software Test Documentation Documentation available on BEST website. Email notification will be sent to NRL and BMDO.				NRL Code 7604		1	
				ACO		1	
				(Trx. Ltr. Only)			
				15. TOTAL		2	
17. PRICE GROUP							
18. ESTIMATED TOTAL PRICE							
G. PREPARED BY		H. DATE		I. APPROVED BY		J. DATE	

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A. CONTRACT LINE ITEM NO. 0010		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER			
D. SYSTEM/ITEM		E. CONTRACT/PR NO. N00173-02-R-RS01			F. CONTRACTOR		
1. DATA ITEM NO. A019		2. TITLE OF DATA ITEM Physical Configuration Audit (PCA) Report			3. SUBTITLE		
4. AUTHORITY (Data Acquisition Document No.)			5. CONTRACT REFERENCE SOW Sec. 6.9		6. REQUIRING OFFICE NRL Code		
7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY One/R	12. DATE OF FIRST SUBMISSION		14. DISTRIBUTION		
8. APP CODE		11. AS OF DATE See Blk. 16	13. DATE OF SUBSEQUENT SUBMISSION		A. ADDRESSEE	DRAFT	B. COPIES FINAL
16. REMARKS The PCA Report shall list the products delivered and document any discrepancies between the final built-to documents and the as-built release. Relevant DID and IEEE Standards: - IEEE 1042, Guide to Software Configuration Management Documentation available on BEST website. Email notification will be sent to NRL and BMDO.					NRL Code 7604	1	
					ACO	1	
					(Trx. Ltr. Only)		
					15. TOTAL		
1. DATA ITEM NO. A020		2. TITLE OF DATA ITEM Software Reference Manual			3. SUBTITLE		
4. AUTHORITY (Data Acquisition Document No.)			5. CONTRACT REFERENCE SOW Sec. 6.8		6. REQUIRING OFFICE NRL Code		
7. DD 250 REG	9. DIST STATEMENT REQUIRED	10. FREQUENCY One/R	12. DATE OF FIRST SUBMISSION		14. DISTRIBUTION		
8. APP CODE		11. AS OF DATE See Blk. 16	13. DATE OF SUBSEQUENT SUBMISSION		A. ADDRESSEE	DRAFT	B. COPIES FINAL
16. REMARKS A Software Reference Manual shall be compiled and delivered in conjunction with each software release. This document will be updated, as appropriate, but at least once for each full release.					NRL Code 7604	1	
					ACO	1	
					(Trx. Ltr. Only)		
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OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO. 0011		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER	
D. SYSTEM/ITEM		E. CONTRACT/PR NO. N00173-02-R-RS01		F. CONTRACTOR	
1. DATA ITEM NO. A021		2. TITLE OF DATA ITEM BEST Users Manual		3. SUBTITLE	
4. AUTHORITY (Data Acquisition Document No.)		5. CONTRACT REFERENCE SOW Sec. 6.8		6. REQUIRING OFFICE NRL Code	
7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY One/R	12. DATE OF FIRST SUBMISSION	14. DISTRIBUTION	
8. APP CODE		11. AS OF DATE See Blk. 16	13. DATE OF SUBSEQUENT SUBMISSION	A. ADDRESSEE	B. COPIES
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16. REMARKS A BEST Users Manual shall be developed and delivered with the first software full release. This document will be updated, as appropriate, but at least once for each full release.				NRL Code 7604	1
				ACO	1
				(Trx. Ltr. Only)	
				15. TOTAL	2
1. DATA ITEM NO. A022		2. TITLE OF DATA ITEM Earned Value Management (EVM) Reports		3. SUBTITLE	
4. AUTHORITY (Data Acquisition Document No.)		5. CONTRACT REFERENCE SOW Sec. 6.9		6. REQUIRING OFFICE NRL Code	
7. DD 250 REG	9. DIST STATEMENT REQUIRED	10. FREQUENCY Monthly	12. DATE OF FIRST SUBMISSION See Blk. 16	14. DISTRIBUTION	
8. APP CODE		11. AS OF DATE See Blk. 16	13. DATE OF SUBSEQUENT SUBMISSION See Blk. 16	A. ADDRESSEE	B. COPIES
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16. REMARKS Monthly EVM reports are due the first of each month. These include the Cost Performance Report (DI-MGMT-81466) and the Contract Funds Status Report (DI-MGMT-81468).				NRL Code 7604	1
				ACO	1
				(Trx. Ltr. Only)	
				15. TOTAL	2
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A. CONTRACT LINE ITEM NO. 0012		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER			
D. SYSTEM/ITEM		E. CONTRACT/PR NO. N00173-02-R-RS01		F. CONTRACTOR			
1. DATA ITEM NO. A023		2. TITLE OF DATA ITEM Data Accession List		3. SUBTITLE			
4. AUTHORITY (Data Acquisition Document No.)			5. CONTRACT REFERENCE SOW Sec. 6.9		6. REQUIRING OFFICE NRL Code		
7. DD 250 REQ		9. DIST STATEMENT REQUIRED		10. FREQUENCY Monthly		12. DATE OF FIRST SUBMISSION See Blk. 16	
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Public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Department (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.											
A. CONTRACT LINE ITEM NO. 0013		B. EXHIBIT A		C. CATEGORY: TDP TM OTHER							
D. SYSTEM/ITEM		E. CONTRACT/PR NO. N00173-02-R-RS01		F. CONTRACTOR							
1. DATA ITEM NO. A025		2. TITLE OF DATA ITEM Status Reports		3. SUBTITLE							
4. AUTHORITY (Data Acquisition Document No.)			5. CONTRACT REFERENCE SOW Sec. 6.9		6. REQUIRING OFFICE NRL Code						
7. DD 250 REQ		9. DIST STATEMENT REQUIRED		10. FREQUENCY Monthly		12. DATE OF FIRST SUBMISSION See Blk. 16					
8. APP CODE		11. AS OF DATE See Blk. 16		13. DATE OF SUBSEQUENT SUBMISSION See Blk. 16		14. DISTRIBUTION					
16. REMARKS The contractor shall deliver a status report the first of each month. The report shall include, but not be limited to status on technical performance, management, cost, schedule, Earned Value, and other elements affecting program execution success.				A. ADDRESSEE		B. COPIES					
						FINAL					
						DRAFT		REG		REPRE	
						NRL Code 7604		1			
						ACO		1			
						(Trx. Ltr. Only)					
15. TOTAL						2					
1. DATA ITEM NO.		2. TITLE OF DATA ITEM		3. SUBTITLE							
4. AUTHORITY (Data Acquisition Document No.)			5. CONTRACT REFERENCE		6. REQUIRING OFFICE						
7. DD 250 REG		9. DIST STATEMENT REQUIRED		10. FREQUENCY		12. DATE OF FIRST SUBMISSION					
8. APP CODE		11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION		14. DISTRIBUTION					
16. REMARKS				A. ADDRESSEE		B. COPIES					
						FINAL					
						DRAFT		REG		REPRE	
15. TOTAL											
G. PREPARED BY		H. DATE		I. APPROVED BY		J. DATE					

17. PRICE GROUP

18. ESTIMATED
TOTAL PRICE

17. PRICE GROUP

18. ESTIMATED
TOTAL PRICE

ATTACHMENT No. 2
AWARD-FEE PERFORMANCE EVALUATION PLAN

1. INTRODUCTION

This award-fee plan is the basis for the evaluation of the Contractor's performance on the Battlespace Environment and Signatures Toolkit (BEST) program and for presenting an assessment of that performance to the Fee Determining Official (FDO). It describes specific criteria and procedures used to assess the Contractor's performance and to determine the amount of award-fee earned. Actual award-fee determinations, and the methodology for determining award-fee, are unilateral decisions made solely at the discretion of the Government.

The award-fee will be provided to the Contractor through contract modifications and is in addition to the base fee provisions of the contract. The award-fee earned and payable will be determined by the FDO based upon review of the Contractor's performance against the criteria set forth in this plan. Evaluation criteria will be modified by the Award-fee Review Board (AFRB) prior to each evaluation period, and will specifically address the events that are expected to occur during the period. The FDO may unilaterally change this plan prior to the beginning of an evaluation period. The contracting officer, before the start of the affected evaluation period, will notify the Contractor in writing of changes to the plan. Changes to this plan that are applicable to a current evaluation period will be incorporated by mutual consent of both parties.

2. ORGANIZATION

The award-fee organization consists of the FDO and an AFRB. The AFRB consists of a Chairperson, the Procuring Contracting Officer (PCO), a Recorder, other functional area participants, advisor members, and the Performance Monitors (PM).

3. RESPONSIBILITIES

3.1 FDO

The FDO approves the award-fee plan and any significant changes. The FDO reviews the recommendation(s) of the AFRB, considers all pertinent data, and determines the earned award-fee amount for each evaluation period.

3.2 AFRB

The AFRB members review Performance Monitors' evaluation of the Contractor's performance, consider all information from pertinent sources, prepare interim performance reports, and arrive at an earned award-fee recommendation to be presented to the FDO. The AFRB modifies the evaluation criteria prior to the start of each evaluation period to be consistent with events that will take place during the period. The AFRB may also recommend other changes to the plan.

3.3 AFRB RECORDER

The AFRB recorder is responsible for coordinating the administrative actions required by the Performance Monitors, the AFRB and the FDO, including: (1) receipt, processing, and distribution of evaluation reports from all required sources; (2) scheduling and assisting with internal evaluation milestones, such as briefings; and (3) accomplishing other actions required to ensure smooth operation of the award-fee.

3.4 PCO

The PCO is the liaison between Contractor and Government personnel.

3.5 PM(S)

PM(s) maintain written records of the Contractor's performance in their assigned evaluation area(s) so that a fair and accurate evaluation is obtained. They prepare interim and end-of-period evaluation reports as directed by the AFRB.

4. AWARD-FEE PROCESS

4.1 AVAILABLE AWARD-FEE AMOUNT

The available award-fee for each evaluation period is shown in Table 1.1. The award-fee earned will be paid based on the Contractor's performance on events that are specific to each evaluation period. The overall evaluation period for this contract includes a base 18 month period, three one year option periods, and one six month option period. Award-fee evaluation will take place every six (6) months.

TABLE 1.1 - EVALUATION PERIODS											
	Base Period			Option Period 1		Option Period 2		Option Period 3		Option Period 4	Total
	1	2	3	4	5	6	7	8	9	10	
Allocation %	60%	20%	20%	50%	50%	50%	50%	50%	50%	100%	TBD
Allocation \$	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

4.2 RATING AND EVALUATION FACTORS

Tables 1.2 and 1.3 establish the rating and evaluation factors for award-fee evaluation. If the PCO does not give specific notice in writing to the Contractor of any change to the rating and/or evaluation factors prior to the start of a new evaluation period, then the same rating and factors listed for the preceding period will be used in the subsequent award-fee evaluation period. Any changes to rating and/or evaluation factors will be made by revising Table 1.2 and Table 1.3 with written notice to the Contractor of such change in the form of a contract modification.

TABLE 1.2 - AWARD-FEE RATING TABLE		
Adjective Rating	Range of Performance Points	Description
Unsatisfactory	<61	Contractor's performance of most contract tasks is inadequate and inconsistent. Quality, responsiveness, and timeliness in many areas require attention and action. Corrective actions have not been taken or are ineffective. Overall unsatisfactory performance shall not earn an award-fee.
Satisfactory Performance	61-80	Contractor's performance of most contract tasks is adequate with some tangible benefits to the Government due to the Contractor's effort or initiative. Although there are areas of good or better performance, these are more or less offset by lower-rated performance in other areas.
Very Good Performance	81-90	Contractor's performance of most contract tasks is consistently above standard and provides significant tangible and intangible benefits to the Government (e.g., improved quality, responsiveness, increased timeliness, or generally enhanced effectiveness of performance). Although some areas may require improvement; these areas are minor and are more than offset by better performance in other areas. Few, if any, recurring problems have been noted, and Contractor takes satisfactory corrective action.
Excellent Performance	91-100	Contractor's performance of virtually all contract tasks is consistently noteworthy and provides numerous significant, tangible or intangible benefits to the Government. The few areas for improvement are all minor. There are no recurring problems. Contractor's management initiates effective corrective action whenever needed.

TABLE 1.3 - EVALUATION FACTORS		
Primary Evaluation Factor	Sub Factors	Assigned Primary Factor Weight
Technical Performance	<ul style="list-style-type: none"> ▪ System Design ▪ System Development ▪ System Testing 	40%
Management	<ul style="list-style-type: none"> ▪ Planning, Organizing, and Managing ▪ Personnel Staffing, Utilization, and Attrition 	30%
Cost and Schedule Management	<ul style="list-style-type: none"> ▪ Cost Control ▪ Cost and Schedule Reporting ▪ Earned Value 	30%
Total		100%

4.3 EVALUATION CRITERIA

Specific evaluation criteria to be assessed by the Performance monitors are contained in Tables 1.4, Table 1.5, and Table 1.6. Evaluation criteria will be updated prior to the start of each evaluation period and will be based on events that will occur in the following six month period. Such events include important review meetings (IBR, SRR, PDR, CDR, TRR), document/code releases, and other milestones. If the PCO does not give specific notice in writing to the Contractor of any change to evaluation criteria prior to the start of a new evaluation period, then the same evaluation criteria listed for the preceding period will be used in the subsequent award-fee evaluation period. Any changes to evaluation criteria will be made by revising Table 1.4, Table 1.5, and Table 1.6, with written notice to the Contractor of such change in the form of a contract modification.

TABLE 1.4 - TECHNICAL PERFORMANCE		
Unsatisfactory – Contractor fails to meet criteria for Satisfactory performance. Development practices are not consistent with industry software development and CMM standards specified in the SOW. The Contractor does not have well-defined planning documents. The Contractor is unable to hold a successful Systems Requirements Review within the first 6 months of the contract.		
Satisfactory	Very Good	Excellent
System Design <ul style="list-style-type: none"> ▪ The Contractor develops adequate planning documents during the first phase of development. Documents are delivered to the Government in a timely fashion. ▪ The Contractor sets up a development environment that is sufficient for supporting design activities. ▪ At the SRR, the Contractor present designs (e.g. use cases and GUI storyboards) that demonstrate that they have a good understanding of what is to be built for Release 1.0. SRR is declared a success, though there may be some additional work necessary to complete the initial phase. ▪ Development practices are consistent with industry software development and CMM Level 2 standards as specified in the SOW. 	System Design <ul style="list-style-type: none"> ▪ The Contractor develops well organized planning documents during the first phase of development. These planning documents show that the Contractor has a well thought out process for meeting the program goals. Documents are delivered to the Government on schedule. ▪ The Contractor sets up an efficient development environment that includes all hardware and software necessary to support the design activities. ▪ At the SRR, the Contractor present designs (e.g. use cases and GUI storyboards) that demonstrate that they have a very good understanding of what is to be built for Release 1.0. SRR is declared a success, and very little additional work necessary to complete the initial phase. ▪ Development practices are consistent with industry software development and CMM Level 2 standards as specified in the SOW. 	System Design <ul style="list-style-type: none"> ▪ The Contractor develops well organized, concise planning documents during the first phase of development. These planning documents show that the Contractor has an exceptional process for meeting the program goals. Documents are delivered to the Government on or ahead of schedule. ▪ The Contractor sets up an efficient development environment that includes all hardware and software necessary to support the design and implementation activities. ▪ At the SRR, the Contractor present designs (e.g. use cases and GUI storyboards) that demonstrate that they have an exceptional understanding of what is to be built for Release 1.0. SRR is declared a success, and the team is ready to move on to the next phase. ▪ Development practices are consistent with industry software development and CMM Level 3 standards as specified in the SOW.

TABLE 1.5 PROGRAM MANAGEMENT

Unsatisfactory – Contractor fails to meet criteria for Satisfactory performance. Program planning does not contain a logical flow of activities. No program status and visibility into near term actions provided. No clear line of authority or effective communication with Government, other agencies, and associate Contractors. Contractor defines problems without factual supporting information and rationale. Contractor is not fully staffed after 45 days from contract award. Key personnel are not working on the first day of the contract. Monthly attrition rates are greater than 10% with vacancies remaining open longer than 45 days.

Satisfactory	Very Good	Excellent
<p>Planning, Organizing, and Managing</p> <ul style="list-style-type: none"> ▪ Program planning is comprehensive and contains a logical flow of activities. Program status and visibility into near term actions are provided through schedules and status of contract tasks. ▪ Contractor establishes clear lines of authority and provides effective communication with Government, other agencies, and associate Contractors. ▪ Contractor implements management control systems that provide for identification of problems to the appropriate management level. Contractor clearly defines problems with factual supporting information and rationale. ▪ Contractor responds to Government direction, and provides timely logical response to Government concerns. ▪ Contractor maintains an effective discrepancy tracking system and provides access to the Government. 	<p>Planning, Organizing, and Managing</p> <ul style="list-style-type: none"> ▪ Program planning is comprehensive and contains a logical flow of activities. Program status and visibility into near term actions are provided through schedules and status of contract tasks. Contractor plays a key role in identifying issues and recommendations for program improvements. Contractor anticipates new requirements and incorporates them (with Government approval) well before critical need dates. Contractor accommodates changing schedules and program activities with minimal impact to the overall program. Contractor makes decisions and recommendations that demonstrate a high level of sensitivity to identifying cost-avoidance opportunities. ▪ Contractor establishes clear lines of authority and provides effective communication with Government, other agencies, and associate Contractors. Minimal programmatic or technical impacts experienced because of communication problems. Contractor ensures the Government is informed early of all upcoming decisions that will potentially impact schedule, technical performance, and/or cost. ▪ Contractor demonstrates initiative and foresight in planning for potential problems, analyzing program impact, resolving program problems and 	<p>Planning, Organizing, and Managing</p> <ul style="list-style-type: none"> ▪ Program planning is comprehensive and contains a logical flow of activities. Program status and visibility into near term actions are provided through schedules and status of contract tasks. Contractor management demonstrates the highest degree of capability with regard to foresight into program planning, depth of analysis, accomplishment of tasks, advance identification of problems and problem resolution, and anticipation and incorporation (with Government approval) of new requirements. Critical milestones are planned as early as possible. Many milestones are met early, to the benefit of the program, with no adverse effect on performance, schedule, cost, or risk. Contractor demonstrates a high level of concern for cost growth avoidance, while being responsive to the changing nature and level of work. ▪ Contractor develops an effective, efficient Contractor team that reflects strong, open lines of communication. Improvements to the planned program result from timely, high quality communication with Government and other external focal points. No program impacts attributed to poor communication. Contractor maintains complete and effective coordination with Government and other Contractors. ▪ Contractor demonstrates

TABLE 1.5 PROGRAM MANAGEMENT

Unsatisfactory – Contractor fails to meet criteria for Satisfactory performance. Program planning does not contain a logical flow of activities. No program status and visibility into near term actions provided. No clear line of authority or effective communication with Government, other agencies, and associate Contractors. Contractor defines problems without factual supporting information and rationale. Contractor is not fully staffed after 45 days from contract award. Key personnel are not working on the first day of the contract. Monthly attrition rates are greater than 10% with vacancies remaining open longer than 45 days.

Satisfactory	Very Good	Excellent
	<p>instituting prompt corrective actions. Proposed solutions require little revision or Government intervention and consider life cycle costs.</p> <ul style="list-style-type: none"> ▪ Contractor responds to Government direction, and provides timely logical response to Government concerns. Shows some initiative in recommending actions for program improvements. ▪ Contractor maintains a complete and comprehensive discrepancy tracking system and provides easy access of the system to the Government. Contractor maintains up-to-date records of test reports, technical evaluations, and status of discrepancies. 	<p>initiative in planning, analyzing, and assessing the total impact of potential problems. Contractor identifies high-risk/problem areas early, plans alternative/parallel courses of action, and keeps the Government well informed of developments. Proposed solutions require little or no revision or Government intervention. Life cycle costs and schedule impact are minimized by problem solutions.</p> <ul style="list-style-type: none"> ▪ Contractor responds to Government direction, and provides timely logical response to Government concerns. Frequently demonstrates initiative by taking a leadership role in identifying issues and providing significant, timely recommendations and actions for program improvements. ▪ Contractor maintains a complete and comprehensive discrepancy tracking system and provides easy access of the system to the Government. Contractor maintains up-to-date records of test reports, technical evaluations, and status of discrepancies. Provides Government with up-to-date, concise, and intuitive summaries of all reported discrepancies.
<p>Personnel Staffing, Utilization and Attrition</p> <ul style="list-style-type: none"> ▪ 100% of contract designated key personnel are on-site on the first day of contract. ▪ All initial staffing is 100% complete 45 days after contract award ▪ One substitution of key 	<p>Personnel Staffing, Utilization and Attrition</p> <ul style="list-style-type: none"> ▪ 100% of contract designated key personnel are on-site on the first day of contract. ▪ All initial staffing is 100% complete 30 days after contract award. ▪ No substitutions were made on 	<p>Personnel Staffing, Utilization and Attrition</p> <ul style="list-style-type: none"> ▪ 100% of contract designated key personnel are on-site on the first day of contract. ▪ All initial staffing is 100% complete 20 days after contract award and is sustained. ▪ No substitutions of key

TABLE 1.5 PROGRAM MANAGEMENT

Unsatisfactory – Contractor fails to meet criteria for Satisfactory performance. Program planning does not contain a logical flow of activities. No program status and visibility into near term actions provided. No clear line of authority or effective communication with Government, other agencies, and associate Contractors. Contractor defines problems without factual supporting information and rationale. Contractor is not fully staffed after 45 days from contract award. Key personnel are not working on the first day of the contract. Monthly attrition rates are greater than 10% with vacancies remaining open longer than 45 days.

Satisfactory	Very Good	Excellent
<p>personnel was made within the first 90 days with proper notification and prior approval.</p> <ul style="list-style-type: none"> ▪ Attrition rates are < 10% with vacancies filled within 45 days of occurrence. ▪ Assigned Contractor and Sub-contractor personnel meet all the minimum requirements of the contract job descriptions and/or contract task requirements. 	<p>key personnel within the first 90 days.</p> <ul style="list-style-type: none"> ▪ Attrition rates are < 5% with vacancies filled within 30 days of occurrence. ▪ A strong effort is made on the part of the Contractor to staff all positions with skills mix consistent with contract requirements ▪ Contractor is generally successful in identifying needs for specialized services and providing the requisite resources in a timely manner. ▪ Contractor and Sub-contractor personnel qualifications are higher than specified in the contract. ▪ Contractor establishes a documented plan for cross training and combining of functions while achieving measurable cost saving success. 	<p>personnel have occurred since first day of contract.</p> <ul style="list-style-type: none"> ▪ Attrition rates are < 2% with vacancies filled within 15 days of occurrence. ▪ Assigned personnel are consistent with the requirements of the contract and the mix proposed by the Contractor ▪ Contractor is highly responsive to short notice, quick turn around, and short-term requirements for staffing of specialized personnel. ▪ Contractor and Sub-contractor staffing is of a significantly higher quality than specified in the contract. ▪ Contractor demonstrates a high level of cost savings and personnel reductions through cross training and combining of functions. ▪ Contractor clearly demonstrates the ability to perform at a high level while achieving cost saving through efficient use of key and support personnel.

TABLE 1.6 COST AND SCHEDULE MANAGEMENT

Unsatisfactory – Contractor fails to meet criteria for Satisfactory performance. Direct and indirect rates are not controlled and substantially higher than proposed bid rates. Sub-contractor costs are significantly higher than proposed bid rates. Funds requirement data are not received in a timely manner. Little to no effort is made to achieve competitive procurements. Cost and schedule variances (including Sub-contractor) are not identified early. Contractor does not meet schedule identified in the contract. Contractor's detailed, intermediate and master schedules fail to generate a critical path for the current option year. The Contractor is unprepared to begin an integrated baseline review six months after contract award.

Satisfactory	Very Good	Excellent
Cost Control	Cost Control	Cost Control

TABLE 1.6 COST AND SCHEDULE MANAGEMENT

Unsatisfactory – Contractor fails to meet criteria for Satisfactory performance. Direct and indirect rates are not controlled and substantially higher than proposed bid rates. Sub-contractor costs are significantly higher than proposed bid rates. Funds requirement data are not received in a timely manner. Little to no effort is made to achieve competitive procurements. Cost and schedule variances (including Sub-contractor) are not identified early. Contractor does not meet schedule identified in the contract. Contractor's detailed, intermediate and master schedules fail to generate a critical path for the current option year. The Contractor is unprepared to begin an integrated baseline review six months after contract award.

Satisfactory	Very Good	Excellent
<ul style="list-style-type: none"> ▪ Provides adequate measures for controlling direct and indirect costs. Direct and indirect actual contract costs are no greater than 2% above proposed bid rates. ▪ Controls and manages Sub-contractor costs to meet program objectives. 	<ul style="list-style-type: none"> ▪ Provides measures for controlling all indirect and direct costs at or slightly below contract proposed bid rates. ▪ Maintains proposed bid rates for all Sub-contractors while meeting program objectives. ▪ Funds are always used in a cost-effective manner. ▪ Always attempts to achieve competitive procurements or uses GSA schedules when appropriate. 	<ul style="list-style-type: none"> ▪ Reductions in indirect, direct and Sub-contractor costs to the Government are noteworthy. ▪ Maintains proposed bid rates for all Sub-contractors while meeting program objectives. Provides detailed cost analysis in recommendations to the Program Office for problem resolution. ▪ Funds and resources are optimally used to provide the maximum benefit for the funds and resources available. ▪ Cost savings derived from structured cost saving programs are measurable, significant, and documented.
<p>Cost and Schedule Reporting</p> <ul style="list-style-type: none"> ▪ All cost and schedule reports are clear and reconcile to a common database. ▪ Funds requirements data are projected accurately and clearly and are received on time. ▪ Cost and schedule variances are identified, and plans for recovery revised, reported, and implemented. ▪ Cost/schedule tracking and projections are accurate with minor impacts as a result of variances. 	<p>Cost and Schedule Reporting</p> <ul style="list-style-type: none"> ▪ All cost and schedule reports are clear and reconcile to a common database. Reports are regularly received on time. ▪ Funds requirements data are projected clearly, reflect constant scrutiny to ensure accuracy, and are received on time. ▪ Cost and schedule variances are identified early, and plans for recovery are reported and implemented. ▪ Variances recovered without serious impact to technical and schedule goals when recovery plans are implemented. Schedule variances are well explained and recovered with minor impact to overall program goals. ▪ Contractor prepares and develops graphic program cost and schedule data that provides clear Government visibility into 	<p>Cost and Schedule Reporting</p> <ul style="list-style-type: none"> ▪ Contractor consistently submits high quality cost and schedule forecasts on time ▪ Funds requirements data and projections reported by Contractor are extremely accurate and are received ahead of schedule. ▪ Cost and schedule variances are identified early, and plans for recovery are reported and implemented quickly. ▪ Cost variances are fully explained and recovered without impact to overall program goals. Contractor consistently anticipates possible sources of cost growth and seeks ways to avoid potential cost problems. Contractor proposes innovative and thoroughly cost-effective approaches to problems with which the Government agrees.

TABLE 1.6 COST AND SCHEDULE MANAGEMENT

Unsatisfactory – Contractor fails to meet criteria for Satisfactory performance. Direct and indirect rates are not controlled and substantially higher than proposed bid rates. Sub-contractor costs are significantly higher than proposed bid rates. Funds requirement data are not received in a timely manner. Little to no effort is made to achieve competitive procurements. Cost and schedule variances (including Sub-contractor) are not identified early. Contractor does not meet schedule identified in the contract. Contractor's detailed, intermediate and master schedules fail to generate a critical path for the current option year. The Contractor is unprepared to begin an integrated baseline review six months after contract award.

Satisfactory	Very Good	Excellent
	<p>current and forecast program costs and schedules.</p> <ul style="list-style-type: none"> ▪ Schedule milestone tracking and projection are accurate and reflect true program status. Contractor is on schedule with no adverse effect on cost or performance. ▪ Contractor performs necessary contingency planning and keeps close and timely communication with Government on cost and schedule issues. Baseline integrity is consistently maintained, and all changes are fully documented. Narratives explaining data variances are current, explicit, and relevant to the variances observed. ▪ Narratives address anticipated future program impacts and describe current and future programmatic and cost impacts of the current cost/schedule performance. 	<ul style="list-style-type: none"> ▪ Contractor prepares and develops graphic program cost and schedule data that are comprehensive, clear, provide excellent correlation with cost performance reports, and permits early identification of problem areas. ▪ Schedule milestone tracking and projections are extremely accurate and prevent program impact. ▪ Contractor plans, develops and executes procedures that allow completion of major milestones ahead of schedule with no adverse impact on program coordination, performance, or cost. ▪ Contractor performs necessary contingency planning and keeps close and timely communication with Government on cost and schedule issues. Cost management system automatically identifies problem areas and implements solutions to maintain cost and staff growth levels at or below the negotiated levels. No support or redirection required by the Government to control cost growth. ▪ Narratives address anticipated future program impacts and fully describe current and future programmatic and cost impacts of the current cost/schedule performance.
<p>Earned Value</p> <ul style="list-style-type: none"> ▪ Contractor's detailed, intermediate and master schedules generate a critical path for the current option year. 	<p>Earned Value</p> <ul style="list-style-type: none"> ▪ Contractor's detailed, intermediate and master schedules generate a critical path for the next eighteen calendar months. 	<p>Earned Value</p> <ul style="list-style-type: none"> ▪ Contractor's detailed, intermediate and master schedules generate a critical path for the entire BEST project (all option years).

TABLE 4.6 COST AND SCHEDULE MANAGEMENT

Unsatisfactory – Contractor fails to meet criteria for Satisfactory performance. Direct and indirect rates are not controlled and substantially higher than proposed bid rates. Sub-contractor costs are significantly higher than proposed bid rates. Funds requirement data are not received in a timely manner. Little to no effort is made to achieve competitive procurements. Cost and schedule variances (including Sub-contractor) are not identified early. Contractor does not meet schedule identified in the contract. Contractor's detailed, intermediate and master schedules fail to generate a critical path for the current option year. The Contractor is unprepared to begin an integrated baseline review six months after contract award.

Satisfactory	Very Good	Excellent
<ul style="list-style-type: none"> ▪ Contractor's detailed, intermediate and master schedules provide sufficient detail to determine the float time for all non-critical tasks for the current option year. ▪ The Contractor begins an integrated baseline review within six months after contract award. ▪ The Contractor provides detailed control account plans at least 10 working days before the scheduled start of the integrated baseline review. ▪ At least 70% percent of the performance measurement baseline is planned using objective earned value techniques (this award-fee plan categorizes percent complete, supervisor estimate, and level of effort as non-objective earned value techniques). ▪ Ninety-five percent of the current year's budget is directly allocated to control accounts or time-phased summary level planning packages. 	<p>months.</p> <ul style="list-style-type: none"> ▪ Contractor's detailed, intermediate and master schedules provide sufficient detail to determine the float time for all non-critical tasks scheduled to be complete in the next twelve calendar months. ▪ The Contractor begins an integrated baseline review within six months after contract award. ▪ The Contractor provides detailed control account plans at least 15 working days before the scheduled start of the integrated baseline review. ▪ At least 80% percent of the performance measurement baseline is planned using objective earned value techniques (this award-fee plan categorizes percent complete, supervisor estimate, and level of effort as non-objective earned value techniques). ▪ Detailed time-phased control account plans exist for all tasks scheduled to be completed for at least the next six months and time-phased summary level planning packages exist for all tasks scheduled to be completed for at least the next eighteen months. 	<p>option years).</p> <ul style="list-style-type: none"> ▪ Contractor's detailed, intermediate and master schedules provide sufficient detail to determine the float time for all non-critical tasks scheduled to be complete in the next eighteen calendar months. ▪ The Contractor begins an integrated baseline review within six months after contract award. ▪ The Contractor provides detailed control account plans at least 20 working days before the scheduled start of the integrated baseline review. ▪ At least 85% percent of the performance measurement baseline is planned using objective earned value techniques (this award-fee plan categorizes percent complete, supervisor estimate, and level of effort as non-objective earned value techniques). ▪ Detailed time-phased control account plans exist for all tasks scheduled to be complete for at least the next six months and time-phased summary level planning packages exist for the entire BEST project (all option years).

4.4 INTERIM EVALUATION PROCESS

The AFRB Recorder notifies each AFRB member and PM fourteen (14) calendar days before the midpoint of the evaluation period. PM(s) submit their evaluation reports to the AFRB fourteen (14) calendar days after notification. The AFRB determines the interim evaluation results and notifies the

Contractor of the strengths and weaknesses for the current evaluation period. The PCO may also issue letters at any other time when it is deemed necessary to highlight areas of Government concern.

4.5 END-OF-PERIOD EVALUATIONS

The AFRB Recorder notifies each AFRB member and PM fourteen (14) calendar days before the end of the evaluation period. PM(s) submit their evaluation reports to the AFRB fourteen (14) calendar days after the end of the evaluation period. The AFRB prepares its evaluation report and recommendations of earned award-fee. The AFRB briefs the evaluation report and recommendation to the FDO. At this time, the AFRB may also recommend any significant changes to the award-fee plan for FDO approval. The FDO determines the overall grade and earned award-fee amount for the evaluation period within fourteen (14) calendar days after each evaluation period. The FDO letter informs the Contractor of the earned award-fee amount. The PCO issues a contract modification within seven (7) calendar days after the FDO decision is made authorizing payment of the earned award-fee amount.

4.6 CONTRACTOR'S SELF ASSESSMENT

When the Contractor chooses to submit a self-evaluation, it must be submitted to the PCO within five (5) working days of the start of the evaluation period. This written assessment of the Contractor's performance throughout the evaluation period may also contain any information that may be reasonably expected to assist the AFRB in evaluating the Contractor's performance. The Contractor's self-assessment may not exceed five (5) pages.

5.0 AWARD-FEE PLAN CHANGE PROCEDURE

All significant changes are approved by the FDO; the AFRB Chairperson approves other changes. Examples of significant changes include changing evaluation criteria, adjusting weights to redirect Contractor's emphasis to areas needing improvement, and revising the distribution of the award-fee dollars. The Contractor may recommend changes to the PCO no later than fourteen (14) days prior to the beginning of the new evaluation period. After approval, the PCO shall notify the Contractor in writing of any change(s). Unilateral changes may be made to the award-fee plan if the Contractor is provided written notification by the contracting officer before the start of the upcoming evaluation period. Changes effecting the current evaluation period must be by mutual agreement of both parties.

6.0 CONTRACT TERMINATION

If the contract is terminated for the convenience of the Government after the start of an award-fee evaluation period, the award-fee deemed earned for that period shall be determined by the FDO using the normal award-fee evaluation process. After termination for convenience, the remaining award-fee amounts allocated to all subsequent award-fee evaluation periods cannot be earned by the Contractor and, therefore, shall not be paid.

DEPARTMENT OF DEFENSE CONTRACT SECURITY CLASSIFICATION SPECIFICATION <i>(The requirements of the DoD Industrial Security Manual apply to all security aspects of this effort.)</i>				1. CLEARANCE AND SAFEGUARDING a. FACILITY CLEARANCE REQUIRED <div style="text-align: center; border: 1px solid black; padding: 2px;">TOP SECRET</div> b. LEVEL OF SAFEGUARDING REQUIRED <div style="text-align: center; border: 1px solid black; padding: 2px;">TOP SECRET</div>																																																																																					
2. THIS SPECIFICATION IS FOR: <i>(X and complete as applicable)</i>			3. THIS SPECIFICATION IS: <i>(X and complete as applicable)</i>																																																																																						
X	a. PRIME CONTRACT NUMBER	X	a. ORIGINAL <i>(Complete date in all cases)</i>	Date (YYMMDD)																																																																																					
	b. SUBCONTRACT NUMBER		b. REVISED <i>(Supersedes all previous specs)</i>	Revision No.	Date (YYMMDD)																																																																																				
X	c. SOLICITATION OR OTHER NUMBER 76-0012-02	Due Date (YYMMDD)	c. FINAL <i>(Complete Item 5 in all cases)</i>		Date (YYMMDD)																																																																																				
4. IS THIS A FOLLOW-ON CONTRACT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO. If Yes, complete the following: Classified material received or generated under _____ <i>(Preceding Contract Number)</i> is transferred to this follow-on contract.																																																																																									
5. IS THIS A FINAL DD FORM 254? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO. If Yes, complete the following: In response to the contractor's request dated _____, retention of the classified material is authorized for the period _____.																																																																																									
6. CONTRACTOR <i>(Include Commercial and Government Entity (CAGE) Code)</i>																																																																																									
a. NAME, ADDRESS, AND ZIP CODE		b. CAGE CODE	c. COGNIZANT SECURITY OFFICE <i>(Name, Address, and Zip Code)</i>																																																																																						
FOR RFP PURPOSES ONLY, NOT VALID FOR ACTUAL CONTRACT AWARD																																																																																									
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a. NAME, ADDRESS, AND ZIP CODE		b. CAGE CODE	c. COGNIZANT SECURITY OFFICE <i>(Name, Address, and Zip Code)</i>																																																																																						
8. ACTUAL PERFORMANCE																																																																																									
a. LOCATION		b. CAGE CODE	c. COGNIZANT SECURITY OFFICE <i>(Name, Address, and Zip Code)</i>																																																																																						
9. GENERAL IDENTIFICATION OF THIS PROCUREMENT R&D CONTRACT IN AREA OF STRATEGIC SCENE GENERATION MODELING.																																																																																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 35%;">10. CONTRACTOR WILL REQUIRE ACCESS TO:</th> <th style="width: 5%;">YES</th> <th style="width: 5%;">NO</th> <th style="width: 35%;">11. IN PERFORMING THIS CONTRACT, THE CONTRACTOR WILL:</th> <th style="width: 5%;">YES</th> <th style="width: 5%;">NO</th> </tr> <tr> <td>a. COMMUNICATIONS SECURITY (COMSEC) INFORMATION</td> <td></td> <td style="text-align: center;">X</td> <td>a. HAVE ACCESS TO CLASSIFIED INFORMATION ONLY AT ANOTHER CONTRACTOR'S FACILITY OR A GOVERNMENT ACTIVITY</td> <td style="text-align: center;">X</td> <td></td> </tr> <tr> <td>b. RESTRICTED DATA</td> <td style="text-align: center;">X</td> <td></td> <td>b. RECEIVE CLASSIFIED DOCUMENTS ONLY</td> <td></td> <td style="text-align: center;">X</td> </tr> <tr> <td>c. CRITICAL NUCLEAR WEAPON DESIGN INFORMATION</td> <td></td> <td style="text-align: center;">X</td> <td>c. RECEIVE AND GENERATE CLASSIFIED MATERIAL</td> <td style="text-align: center;">X</td> <td></td> </tr> <tr> <td>d. FORMERLY RESTRICTED DATA</td> <td style="text-align: center;">X</td> <td></td> <td>d. FABRICATE, MODIFY, OR STORE CLASSIFIED HARDWARE</td> <td></td> <td style="text-align: center;">X</td> </tr> <tr> <td>e. INTELLIGENCE INFORMATION</td> <td></td> <td style="text-align: center;">X</td> <td>e. PERFORM SERVICES ONLY</td> <td></td> <td style="text-align: center;">X</td> </tr> <tr> <td>(1) Sensitive Compartmented Information (SCI)</td> <td></td> <td style="text-align: center;">X</td> <td>f. HAVE ACCESS TO U.S. CLASSIFIED INFORMATION OUTSIDE THE U.S., PUERTO RICO, U.S. POSSESSIONS AND TRUST TERRITORIES</td> <td></td> <td style="text-align: center;">X</td> </tr> <tr> <td>(2) Non-SCI</td> <td style="text-align: center;">X</td> <td></td> <td>g. BE AUTHORIZED TO USE THE SERVICES OF DEFENSE TECHNICAL INFORMATION CENTER (DTIC) OR OTHER SECONDARY DISTRIBUTION CENTER</td> <td style="text-align: center;">X</td> <td></td> </tr> <tr> <td>f. SPECIAL ACCESS INFORMATION</td> <td></td> <td style="text-align: center;">X</td> <td>h. REQUIRE A COMSEC ACCOUNT</td> <td></td> <td style="text-align: center;">X</td> </tr> <tr> <td>g. NATO INFORMATION</td> <td></td> <td style="text-align: center;">X</td> <td>i. HAVE TEMPEST REQUIREMENTS</td> <td></td> <td style="text-align: center;">X</td> </tr> <tr> <td>h. FOREIGN GOVERNMENT INFORMATION</td> <td></td> <td style="text-align: center;">X</td> <td>j. HAVE OPERATIONS SECURITY (OPSEC) REQUIREMENTS</td> <td></td> <td style="text-align: center;">X</td> </tr> <tr> <td>i. LIMITED DISSEMINATION INFORMATION</td> <td></td> <td style="text-align: center;">X</td> <td>k. BE AUTHORIZED TO USE THE DEFENSE COURIER SERVICE</td> <td></td> <td style="text-align: center;">X</td> </tr> <tr> <td>j. FOR OFFICIAL USE ONLY INFORMATION</td> <td></td> <td style="text-align: center;">X</td> <td>l. OTHER <i>(Specify)</i></td> <td style="text-align: center;">X</td> <td></td> </tr> <tr> <td>k. OTHER <i>(Specify)</i></td> <td></td> <td style="text-align: center;">X</td> <td colspan="3" style="text-align: center;">AIS AUTHORIZED ON DSS-APPROVED SYSTEMS.</td> </tr> </table>						10. CONTRACTOR WILL REQUIRE ACCESS TO:	YES	NO	11. IN PERFORMING THIS CONTRACT, THE CONTRACTOR WILL:	YES	NO	a. COMMUNICATIONS SECURITY (COMSEC) INFORMATION		X	a. HAVE ACCESS TO CLASSIFIED INFORMATION ONLY AT ANOTHER CONTRACTOR'S FACILITY OR A GOVERNMENT ACTIVITY	X		b. RESTRICTED DATA	X		b. RECEIVE CLASSIFIED DOCUMENTS ONLY		X	c. CRITICAL NUCLEAR WEAPON DESIGN INFORMATION		X	c. RECEIVE AND GENERATE CLASSIFIED MATERIAL	X		d. FORMERLY RESTRICTED DATA	X		d. FABRICATE, MODIFY, OR STORE CLASSIFIED HARDWARE		X	e. INTELLIGENCE INFORMATION		X	e. PERFORM SERVICES ONLY		X	(1) Sensitive Compartmented Information (SCI)		X	f. HAVE ACCESS TO U.S. CLASSIFIED INFORMATION OUTSIDE THE U.S., PUERTO RICO, U.S. POSSESSIONS AND TRUST TERRITORIES		X	(2) Non-SCI	X		g. BE AUTHORIZED TO USE THE SERVICES OF DEFENSE TECHNICAL INFORMATION CENTER (DTIC) OR OTHER SECONDARY DISTRIBUTION CENTER	X		f. SPECIAL ACCESS INFORMATION		X	h. REQUIRE A COMSEC ACCOUNT		X	g. NATO INFORMATION		X	i. HAVE TEMPEST REQUIREMENTS		X	h. FOREIGN GOVERNMENT INFORMATION		X	j. HAVE OPERATIONS SECURITY (OPSEC) REQUIREMENTS		X	i. LIMITED DISSEMINATION INFORMATION		X	k. BE AUTHORIZED TO USE THE DEFENSE COURIER SERVICE		X	j. FOR OFFICIAL USE ONLY INFORMATION		X	l. OTHER <i>(Specify)</i>	X		k. OTHER <i>(Specify)</i>		X	AIS AUTHORIZED ON DSS-APPROVED SYSTEMS.		
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12. PUBLIC RELEASE. Any information (classified or unclassified) pertaining to this contract shall not be released for public dissemination except as provided by the Industrial Security Manual or unless it has been approved for public release by appropriate U.S. Government authority. Proposed public releases shall be submitted for approval prior to release

☐ Direct ☒ Through (Specify)

COMMANDING OFFICER, NAVAL RESEARCH LABORATORY, WASHINGTON, DC 20375-5320, CODE 7604.

to the Directorate for Freedom of Information and Security Review, Office of the Assistant Secretary of Defense (Public Affairs)* for review.
*In the case of non-DoD User Agencies, requests for disclosure shall be submitted to that agency.

13. SECURITY GUIDANCE. The security classification guidance needed for this classified effort is identified below. If any difficulty is encountered in applying this guidance or if any other contributing factor indicates a need for changes in this guidance, the contractor is authorized and encouraged to provide recommended changes; to challenge the guidance or the classification assigned to any information or material furnished or generated under this contract; and to submit any questions for interpretation of this guidance to the official identified below. Pending final decision, the information involved shall be handled and protected at the highest level of classification assigned or recommended. (Fill in as appropriate for the classified effort. Attach, or forward under separate correspondence, any documents/guides/extracts referenced herein. Add additional pages as needed to provide complete guidance.)

1. Specifically designated contractor personnel assigned to this contract must possess DOD granted personnel security clearances commensurate with level of access required. Access based on interim clearances must be approved by the official named in Item 16a. The number of clearances requested from DSS must be limited; it is anticipated that the number of clearances required for actual work on this contract will not exceed 6.
2. Any subcontract DD254s issued incident to this contract must be approved by the official shown in Item 16a, below.
3. Need-to-Know certification for visit requests to other DOD and/or contractor facilities or for obtaining documents/information, will be processed through the official named in Item 16a.
4. COR for this contract is Joseph Johnson, NRL Code 7604.5, (202) 767-1286.

14. ADDITIONAL SECURITY REQUIREMENTS. Requirements, in addition to ISM requirements, are established for this contract. (If Yes, identify the pertinent contractual clauses in the contract document itself, or provide an appropriate statement which identifies the additional requirements. Provide a copy of the requirements to the cognizant security office. Use Item 13 if additional space is needed.)

☐ Yes ☒ No

15. INSPECTIONS. Elements of this contract are outside the inspection responsibility of the cognizant security office. (If Yes, explain and identify specific areas)

☐ Yes ☒ No

16. CERTIFICATION AND SIGNATURE. Security requirements stated herein are complete and adequate for safeguarding the classified information to be released or generated under this classified effort. All questions shall be referred to the official named below.

a. TYPED NAME OF CERTIFYING OFFICIAL

DAVID R. ANDERSON

b. TITLE

CONTRACTING OFFICER, SECURITY

c. TELEPHONE (Include Area Code)

(228) 688-4049

d. ADDRESS (Include Zip Code)

NAVAL RESEARCH LABORATORY DETACHMENT
CODE 7030.1
STENNIS SPACE CENTER, MS 39529-5004

17. REQUIRED DISTRIBUTION

- | | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | a. CONTRACTOR |
| <input type="checkbox"/> | b. SUBCONTRACTOR |
| <input checked="" type="checkbox"/> | c. COGNIZANT SECURITY OFFICE FOR PRIME AND SUBCONTRACTOR |
| <input checked="" type="checkbox"/> | d. U.S. ACTIVITY RESPONSIBLE FOR OVERSEAS SECURITY ADMINISTRATION |
| <input checked="" type="checkbox"/> | e. ADMINISTRATIVE CONTRACTING OFFICER |
| <input checked="" type="checkbox"/> | f. OTHERS AS NECESSARY |

e. SIGNATURE



Accounting and Appropriation Data

(To be provided at time of award)